
Safari HTML Reference

[Apple Applications](#) > Safari



2008-11-12



Apple Inc.
© 2008 Apple Inc.
All rights reserved.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, mechanical, electronic, photocopying, recording, or otherwise, without prior written permission of Apple Inc., with the following exceptions: Any person is hereby authorized to store documentation on a single computer for personal use only and to print copies of documentation for personal use provided that the documentation contains Apple's copyright notice.

The Apple logo is a trademark of Apple Inc.

Use of the "keyboard" Apple logo (Option-Shift-K) for commercial purposes without the prior written consent of Apple may constitute trademark infringement and unfair competition in violation of federal and state laws.

No licenses, express or implied, are granted with respect to any of the technology described in this document. Apple retains all intellectual property rights associated with the technology described in this document. This document is intended to assist application developers to develop applications only for Apple-labeled computers.

Every effort has been made to ensure that the information in this document is accurate. Apple is not responsible for typographical errors.

Apple Inc.
1 Infinite Loop
Cupertino, CA 95014
408-996-1010

Apple, the Apple logo, Mac, Mac OS, and Safari are trademarks of Apple Inc., registered in the United States and other countries.

iPhone is a trademark of Apple Inc.

Java and all Java-based trademarks are trademarks or registered trademarks of Sun Microsystems, Inc. in the U.S. and other countries.

Simultaneously published in the United States and Canada.

Even though Apple has reviewed this document, APPLE MAKES NO WARRANTY OR REPRESENTATION, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THIS DOCUMENT, ITS QUALITY, ACCURACY, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE. AS A RESULT, THIS DOCUMENT IS

PROVIDED "AS IS," AND YOU, THE READER, ARE ASSUMING THE ENTIRE RISK AS TO ITS QUALITY AND ACCURACY.

IN NO EVENT WILL APPLE BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY DEFECT OR INACCURACY IN THIS DOCUMENT, even if advised of the possibility of such damages.

THE WARRANTY AND REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS, ORAL OR WRITTEN, EXPRESS OR IMPLIED. No Apple dealer, agent, or employee is authorized to make any modification, extension, or addition to this warranty.

Some states do not allow the exclusion or limitation of implied warranties or liability for incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Contents

Introduction 13

Organization of This Document 13

Explanation of Terms 15

Availability 15

Support Level 15

Supported HTML 17

HTML Tags 17

a 17

abbr 17

acronym 17

address 18

applet 18

area 18

audio 19

b 19

base 20

basefont 20

bdo 20

big 20

blockquote 21

body 21

br 21

button 22

canvas 22

caption 22

center 22

cite 23

code 23

col 23

colgroup 24

dd 24

del 24

dfn 24

dir 25

div 25

dl 25

dt 26

em 26
embed 26
fieldset 27
font 27
form 27
frame 28
frameset 28
h1 - h2 - ... - h6 28
head 28
hr 29
html 29
i 29
iframe 30
img (or image) 30
input 30
ins 30
isindex 31
kbd 31
keygen 31
label 32
layer 32
legend 32
li 33
link 33
listing 33
map 33
marquee 34
menu 34
meta 34
noabr 35
noembed 35
noframes 35
nolayer 36
noscript 36
object 36
ol 36
optgroup 37
option 37
p 37
param 38
plaintext 38
pre 38
q 39
s 39
samp 39
script 39

select 40
small 40
source 40
span 41
strike 41
strong 41
style 42
sub 42
sup 42
table 43
tbody 43
td 43
textarea 43
tfoot 44
th 44
thead 44
title 45
tr 45
tt 45
u 45
ul 46
var 46
video 46
wbr 47
xmp 47

Supported Attributes 49

Supported Attributes 49
abbr 49
accept 49
accept-charset 49
accesskey 50
action 50
align 50
alink 50
alt 51
archive 51
autocapitalize 51
autocomplete 51
autocorrect 52
autoplay 52
autosave 52
axis 52
background 53
behavior 53

bgcolor 53
bgproperties 53
border 54
bordercolor 54
cellpadding 54
cellspacing 54
challenge 54
char 55
charoff 55
charset 55
checked 56
cellborder 56
cite 56
class 56
classid 56
clear 57
code 57
codebase 57
codetype 57
color 58
cols 58
colspan 58
compact 58
composite 59
content 59
contenteditable 59
controls 59
coords 59
data 60
datetime 60
declare 60
defer 60
dir 61
direction 61
disabled 61
enctype 61
end 61
face 62
for 62
frame 62
frameborder 62
headers 63
height 63
hidden 63
href 63
hreflang 64

hspace 64
http-equiv 64
id 64
incremental 65
ismap 65
keytype 65
label 65
lang 66
language 66
leftmargin 66
link 66
longdesc 66
loop 67
loopend 67
loopstart 67
manifest 68
marginheight 68
marginwidth 68
max 68
maxlength 68
mayscript 69
media 69
method 69
min 69
multiple 70
name 70
nohref 70
noresize 70
nosave 70
noshade 71
nowrap 71
object 71
onabort 71
onbeforecopy 72
onbeforecut 72
onbeforepaste 72
onbeforeunload 72
onblur 72
onchange 72
onclick 73
oncontextmenu 73
oncopy 73
oncut 73
ondblclick 73
ondrag 73
ondragend 74

ondragenter 74
ondragleave 74
ondragover 74
ondragstart 74
ondrop 74
onerror 75
onfocus 75
ongesturechange 75
ongestureend 75
ongesturestart 75
oninput 76
onkeydown 76
onkeypress 76
onkeyup 76
onload 76
onmousedown 76
onmousemove 77
onmouseout 77
onmouseover 77
onmouseup 77
onmousewheel 77
onorientationchange 78
onpaste 78
onreset 78
onresize 78
onscroll 78
onsearch 78
onselect 79
onselectstart 79
onsubmit 79
ontouchcancel 79
ontouchend 79
ontouchmove 80
ontouchstart 80
onunload 80
oversrc 80
placeholder 80
playcount 81
pluginpage 81
pluginspage 81
pluginurl 81
poster 82
precision 82
profile 82
prompt 82
readonly 82

rel 83
results 83
rev 83
rows 83
rowspan 84
rules 84
scheme 84
scope 84
scrollamount 84
scrolldelay 85
scrolling 85
selected 85
shape 85
size 86
span 86
src 86
standby 87
start 87
style 87
summary 87
tabindex 88
tableborder 88
target 88
text 88
title 89
topmargin 89
truespeed 89
type 89
usemap 90
valign 90
value 90
valuetype 91
version 91
vlink 91
vspace 91
width 92
wrap 92

Input Values and Additional Meta Tags 93

Input Type Values 93
button 93
checkbox 93
file 93
hidden 93
image 94

- password 94
- radio 94
- range 94
- reset 94
- search 94
- submit 95
- text 95
- Additional meta Tag Keys 95
 - apple-mobile-web-app-capable 95
 - apple-mobile-web-app-status-bar-style 95
 - viewport 96

Document Revision History 99

Tables

Input Values and Additional Meta Tags 93

| | | |
|---------|----------------------------------|----|
| Table 1 | Viewport properties | 97 |
| Table 2 | Special viewport property values | 98 |

Introduction

You can use Hypertext Markup Language (HTML) in conjunction with other web content technologies to deploy cross-platform media-rich interactive content to a variety of sources. HTML documents—which can be anything from a textual product description to a photo library to an interactive form—can be read by web browsers on every common platform, displayed and interacted with on portable digital devices, and integrated into WebKit-based applications in Mac OS X, along with a variety of other technologies.

This document details every HTML tag and property supported by WebKit and Safari on all platforms, which include Mac OS X, iPhone OS, and Windows. You should read this if you are developing web content that will be displayed in Safari or within a WebKit-based application.

Note: When used to describe the platform availability of a particular element or attribute, “Safari” in this document refers to Safari in Mac OS X and Windows. Elsewhere, “Safari” refers to Safari on any platform.

Organization of This Document

The following articles describe key aspects of Safari's HTML support:

- [“Explanation of Terms”](#) (page 15) explains terminology used in this reference.
- [“Supported HTML”](#) (page 17) describes all the HTML elements supported by Safari. This includes standard tags (as defined by the World Wide Web Consortium, or W3C), common tags that are not part of a standard, and Apple extensions.
- [“Supported Attributes”](#) (page 49) describes the HTML attributes supported by Safari.
- [“Input Values and Additional Meta Tags”](#) (page 93) describes supported types for the `input` tag and additional keys for the `meta` tag.

Explanation of Terms

This article describes the availability and support level fields of a listing and explains their meanings and possible values. You can use this information to produce web content that is compatible across multiple platforms or optimized for viewing on iPhone.

Availability

Availability tells the versions of Safari in which the element first appeared or was deprecated. Deprecated tags are not guaranteed to be supported in the future. Note that elements available in Safari for Mac OS X and Windows are not automatically available in iPhone OS, and vice versa.

Support Level

Support Level tells the source of a given tag if it is not part of a W3C standard or otherwise supported by the majority of current browsers. The possible values are:

- Apple extension—properties defined by Apple. These properties are fully supported by WebKit and Safari. A few of these extensions, where noted, are specific to Safari on iPhone OS.

Tags may be shifted to other categories as time passes, particularly as tags are added to relevant standards.

Supported HTML

Safari and WebKit implement a large subset of the HTML 4.01 Specification defined by the World Wide Web Consortium (W3C). This reference defines every symbol in the specification that Safari implements. If a tag is not listed here, it is not supported by Safari and WebKit.

HTML Tags

a

Specifies a hyperlink or a page anchor.

Syntax

```
<a href="URL"> ... </a>
```

Discussion

When the `href` attribute is used with this tag, the text or image enclosed by the tag becomes a hyperlink, linked to the URL specified by `URL`. When the `name` attribute is used, the tag becomes an anchor which can be linked to by a hyperlink.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

abbr

Specifies an abbreviated form of a string.

Syntax

```
<abbr title = "fullstring"> abbrev </abbr>
```

Discussion

In Safari, the string specified by `abbrev` is displayed on screen while the content of `fullstring` is revealed in tooltip form by holding the mouse over the abbreviated value. This tag is also useful for applications that read the underlying HTML code of a page, such as screen readers.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

acronym

Specifies the acronym form of a string.

Syntax

```
<acronym title = "fullstring"> acro </acronym>
```

Discussion

In Safari, the string specified by `acro` is displayed on screen while the content of `fullstring` is revealed in tooltip form by holding the mouse over the acronym itself. This tag is also useful for applications that read the underlying HTML code of a page, such as screen readers.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

address

Specifies a street address.

Syntax

```
<address>  
  
streetaddress  
  
</address>
```

Discussion

This tag specifies a street address. The address enclosed within the tags is italicized. Line breaks (such as ones between a street address and a city/state/zip) are not automatically inserted.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

applet

Deprecated. Embeds a Java applet within a page.

Syntax

```
<applet height="value" width="value" archive="URL">  
<applet height="value" width="value" code="URL">
```

Discussion

The applet is displayed at the location of the tag in the page, with a height specified by `height` and a width specified by `width`. The location of the applet is given by the URL specified by `archive` if the applet is stored in a Java archive or zip file, or `code` if the applet is in a standard java class file.

Availability

Available in Safari 1.0 and later. This tag has been deprecated in the HTML 4.01 standard. You should use the `object` tag to embed Java applets unless you have a specific reason to use this tag .

area

Specifies a specific area within an image map.

Syntax

```
<area shape = "shapetype" coords = "coords" href = "URL">
```

Discussion

This tag defines discrete areas within an image map (defined by an enclosing `<map>` tag). The area defined by this tag will act as a hyperlink, linked to the URL specified by `URL`, bounding shape specified by `shape` and coordinates specified by `coords`.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

audio

Embeds audio into a webpage.

Syntax

```
<audio src="url"
  autoplay="true"
  start="00:00:00.00"
  loopstart="00:00:00.07" <!-- 7 seconds -->
  loopend="00:00:00.19"
  end="00:00:00.27"
  playcount="4" <!-- play 4x -->
  controls="true" >
```

Discussion

The `audio` element may contain fallback content for browsers that do not support this element. Any content enclosed within the `audio` element is ignored by browsers that support the `audio` element (but it must be valid HTML).

The `audio` element supports inclusion of `source` elements to provide multiple versions of an audio clip encoded with different codecs, at different bit rates, and so on. These `source` elements must be the first elements inside the `audio` element before any fallback content. See [“source”](#) (page 40) for more information.

Availability

Available in Safari 3.1 and later.

b

Displays text in a bold style.

Syntax

```
<b> content </b>
```

Discussion

The text specified by `content` is displayed in the bold style but otherwise will match the style of the enclosing element. Styles should be more finely tuned using CSS instead of using HTML style tags.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

base

Defines the base URL for all linked objects on a page.

Syntax

```
<base href =”URL”>
```

Discussion

The URL specified by `href` will act as the base URL for any relatively-linked object—such as an image, hyperlink, or Java applet—on the page. If a URL is specified absolutely (with a fully-qualified URL), it will not be affected by this tag. This tag must be placed in the `head` section of a page.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

basefont

Deprecated. Specifies the base font for a page.

Syntax

```
<basefont color =”color” face =”face” size =”size”>
```

Discussion

The font is used as the default font for the page unless otherwise specified. The font is specified by `face`, its size is specified by `size`, and its color is specified by `color`. These attributes and their various options are defined in “[Supported Attributes](#)” (page 49).

Availability

Available in Safari 1.0 and later. This tag has been deprecated in the HTML 4.01 standard. You should use CSS styling to set this property for the enclosing elements unless you have a specific reason to use this tag.

bdo

Displays text in a different direction.

Syntax

```
<bdo dir =”dir”> content </bdo>
```

Discussion

The text specified by `content` is displayed left-to-right if `dir` is set to “ltr”; it is displayed right-to-left if it is set to “rtl.”

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

big

Displays text in a large size.

Syntax

```
<big> content </big>
```

Discussion

The text specified by `content` is displayed in a larger size but otherwise will match the style of the enclosing element. Styles should be more finely tuned using CSS instead of using HTML style tags.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

blockquote

Displays text in an indented quotation style.

Syntax

```
<blockquote> content </blockquote>
```

Discussion

The text specified by `content` is indented (on both sides of the text block), but otherwise will match the style of the enclosing element. Styles should be more finely tuned using CSS instead of using HTML style tags.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

body

Defines the entirety of the document body.

Syntax

```
<body> content </body>
```

Discussion

The content specified by `content` comprises most of the content of the page. Though you can specify style attributes within this tag, this behavior has been deprecated in HTML 4.01 and should be replaced with CSS style attributes.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

br

Represents a single line break.

Syntax

```
<br>
```

Discussion

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

button

Defines an interactive button on a page.

Syntax

```
<button> content </button>
```

Discussion

The text specified by `content` is displayed within the frame of the button. This differs from the “button” input type in that you can specify content within the button tags.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

canvas

Specifies an advanced drawing region.

Syntax

```
<canvas id="identifer" height="value" width="value">
```

Discussion

This tag specifies the location of an advanced drawing region. The `canvas` tag supports the same attributes as the `` tag with the exception of the `src` attribute, which is ignored. You can specify any of the other attributes you would normally specify for an image. The identifier specified by `id` is required for Dashboard widgets, as are the `height` and `width` specified by `height` and `width` respectively.

Availability

Available in Safari 1.3 and later. Available in iPhone OS 1.0 and later.

caption

Defines a caption for an HTML table.

Syntax

```
<caption> content </caption>
```

Discussion

The text specified by `content` is displayed as a caption for the table in which it is enclosed.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

center

Deprecated. Defines a region of content to be centered.

Syntax

```
<center> content </center>
```

Discussion

The content specified by `content` is centered within its enclosing element.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later. This tag has been deprecated in the HTML 4.01 standard. Styles should be more finely tuned using CSS instead of using HTML style tags.

cite

Specifies a citation.

Syntax

```
<cite> content </cite>
```

Discussion

This tag specifies a citation. The text enclosed within the tags is italicized.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

code

Specifies text as computer code.

Syntax

```
<code> content </code>
```

Discussion

This tag specifies a block of code. The text enclosed within the tags will use a “teletype” monospaced character font.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

col

Specifies attributes of columns in a table.

Syntax

```
<col properties >
```

Discussion

This tag allows you specify attributes for a given table column, with those attributes specified by `properties`. A series of `<col>` tags must be placed in order of the actual table columns. For example, to set center column alignment for a columns, you would use `<col align="center">`. These must be placed within a table or a `colgroup`.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

colgroup

Specifies attributes for multiple columns in a table.

Syntax

```
<colgroup properties ></colgroup>
```

Discussion

This tag allows you specify attributes for multiple table columns, with those attributes specified by `properties`. For example, to set center column alignment for three different columns, you would use `<colgroup span="3" align="center">`. These must be placed within a table.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

dd

Specifies a definition for a term.

Syntax

```
<dd> content </dd>
```

Discussion

This tag specifies a definition for a term within an HTML definition list. The text enclosed within the tags is indented under the term specified by the enclosing `<dt>` block.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

del

Specifies a block of deleted text.

Syntax

```
<del> content </del>
```

Discussion

This tag specifies a block of deleted text, which is marked with a crossbar.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

dfn

Specifies a definition.

Syntax

```
<dfn> content </dfn>
```


Discussion

This tag specifies a definition of any sort.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

dir

Deprecated. Specifies a directory list.

Syntax

```
<dir>
  <li> content </li>
</dir>
```

Discussion

This tag specifies a directory list, each element of which is specified by an `` tag..

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later. This tag has been deprecated in the HTML 4.01 standard. List styles should be more finely tuned using CSS instead of using HTML style tags, and the structure should be defined instead with the `` and `` tags.

div

Specifies a styleless section in a document.

Syntax

```
<div> content </div>
```

Discussion

This tag specifies a section in a document, as a block element. Multiple divs will stack vertically on the page. Use CSS styles to tune the style properties of this element.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

dl

Specifies a definition list.

Syntax

```
<dl> content </dl>
```

Discussion

This tag specifies a definition list. Within the bounds of this block, terms to be defined should be marked using the `<dt>` tag, and their definitions should be marked using the `<dd>` tag.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

dt

Specifies a definition term.

Syntax

```
<dt> content </dt>
```

Discussion

This tag specifies a definition term. It should be used to mark an actual term within the bounds of a definition list (`<d1>`). Definitions should follow each term, and be marked using the `<dd>` tag.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

em

Specifies emphasized text.

Syntax

```
<em> content </em>
```

Discussion

This tag specifies a block of emphasized text. Styles should be more finely tuned using CSS instead of using HTML style tags.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

embed

Deprecated. Embeds an object within a page.

Syntax

```
<embed height = "value" width = "value" src/code = "URL" > content </em>
```

Discussion

The object, if visible, is displayed at the location of the tag in the page, with a height specified by `height` and a width specified by `width`. The location of the object is given by the URL specified by `src`, or `code` if the applet is in a standard java class file.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later. This tag has been deprecated in the HTML 4.01 standard. You should use the `<object>` tag to embed objects unless you have a specific reason to use this tag .

fieldset

Specifies a set of fields.

Syntax

```
<fieldset>  
  
  caption input  
  
  caption input  
  
</fieldset>
```

Discussion

This tag encloses a set of input fields, and will draw a box around them. The fields themselves are made with input tags specified by `input` and the name of the field is plaintext specified by `caption`.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

font

Deprecated. Defines a font style for the content the tag encloses.

Syntax

```
<font> content </font>
```

Discussion

The content specified by `content` is altered based on a variety of properties, such as `face`, `size`, and `color`.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later. This tag has been deprecated in the HTML 4.01 standard. Styles should be more finely tuned using CSS instead of using HTML style tags.

form

Specifies an HTML form.

Syntax

```
<form> formContent </form>
```

Discussion

This tag specifies a form on a page. Each individual form (with its variety of inputs such as checkboxes, text fields, and password fields) should be enclosed in its own form tag set. If using the form for some kind of submission, the form's submit button should also be enclosed within this tag set.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

frame

Specifies an individual frame.

Syntax

```
<frame src = "URL">
```

Discussion

This tag specifies an individual frame within a frameset. The URL for the frame is specified by `src`.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

frameset

Specifies a frameset.

Syntax

```
<frameset>
```

Discussion

This tag specifies the overall frameset for a number of frames (each specified with the `<frame>` tag). The URL for the frame is specified by `src`. The size of each column should be specified by the `cols` and `rows` properties.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

h1 - h2 - ... - h6

Specifies various headers.

Syntax

```
<h#> content </h#>
```

Discussion

This tag specifies a block of header text, with `<h1>` representing the largest font size and `<h6>` representing the smallest. Styles should be more finely tuned using CSS instead of using HTML style tags.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

head

Specifies metainformation about the HTML document.

Syntax

```
<head> content </head>
```

Discussion

This tag can contain a number of informational tags, such as `<title>` for the page title or `<style>` for a CSS definition block.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

hr

Specifies a horizontal line.

Syntax

```
<hr>
```

Discussion

This tag specifies a horizontal line. Styles should be more finely tuned using CSS instead of using HTML style tags.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

html

Specifies the HTML document.

Syntax

```
<html>
```

Discussion

This tag specifies an HTML document, and should encompass all the content of the page.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

i

Displays text in an italic style.

Syntax

```
<i> content </i>
```

Discussion

The text specified by `content` is displayed in the italic style but otherwise will match the style of the enclosing element. Styles should be more finely tuned using CSS instead of using HTML style tags.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

iframe

Displays a URL in an inline frame.

Syntax

```
<iframe src = "URL"></iframe>
```

Discussion

The URL specified by `src` will load into an inline frame placed wherever the `iframe` is entered.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

img (or image)

Displays an inline image.

Syntax

```
<img src = "URL">
```

Discussion

The image file specified by `src` is displayed inline in the enclosing element.

Availability

`img` is available in Safari 1.0 and later. `image` is available in Safari 3.0 and later. Both are available in iPhone OS 1.0 and later.

input

Displays an input for an HTML form.

Syntax

```
<input type = "type">
```

Discussion

This tag specifies some kind of input mechanism in an HTML form. The `type` specified by `type` can be one of the following: `button`, for a basic button; `checkbox` for a checkbox element; `file` for a file upload interface; `hidden` for an invisible input type; `password` for a shielded password field; `radio` for a radio button element; `reset` for a form-reset button; `submit` for a form-submit button; or `text` for a standard text field.

Safari on iPhone OS extends the `input` tag with two additional properties, `autocorrect` and `autocapitalize`, described in [“Supported Attributes”](#) (page 49).

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

ins

Specifies a block of inserted text.

Syntax

```
<ins> content </ins>
```

Discussion

This tag specifies a block of inserted text, which is marked with an underline.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

isindex

Deprecated. Specifies an index field.

Syntax

```
<isindex prompt = "prompt">
```

Discussion

This tag displays a prompt and a search field, which as a form will submit the value using a GET request. The default prompt in Safari is "This is a searchable index. Enter search keywords:," but this can be overridden by specifying a string for the `prompt` attribute.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later. This tag has been deprecated in the HTML 4.01 standard. You should use standard HTML input types to process queries instead of using this tag.

kbd

Specifies text as keyboard text.

Syntax

```
<kbd> content </kbd>
```

Discussion

This tag specifies a block of keyboard text. The text enclosed within the tags will use a "teletype" monospaced character font.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

keygen

Provides public key generation for forms.

Syntax

```
<keygen name="name" challenge="challenge_value">
```

Discussion

This tag places a form element on the page which will generate a 512, 1024, or 2048-bit public key as its value. The challenge specified by `challenge` and the public key are DER encoded and digitally

signed with a private key (stored in a local database). The result is then encoded in base64 and is returned as the value of this field.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

label

Specifies a label for input controls.

Syntax

```
<label for = "id"> content </label>
```

Discussion

This tag specifies a label for the input control whose name is specified by `for`. The text specified by `content` makes up the body of the label.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

layer

Specifies individual layers on a webpage.

Syntax

```
<layer>content</layer>
```

Discussion

This tag specifies an independent layer of content on a webpage. This tag is not well-supported and should be replaced with `<iframe>` frames using CSS styling techniques in HTML 4.01 Transitional documents. In HTML 4.01 Strict documents, this tag should be replaced with `<object>` or `<div>`.

Availability

Available in Safari 1.0 and later. Available with limited support in iPhone OS 1.0 and later.

legend

Specifies the caption for a fieldset.

Syntax

```
<legend> content </legend>
```

Discussion

This tag specifies the label for a fieldset (specified by the `<fieldset>` tag). The caption specified by `content` is merged with the box surrounding the fieldset.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

li

Specifies a list element.

Syntax

```
<li> content </li>
```

Discussion

Within a list block (specified by `` for an unordered list, or `` for an ordered list), this tag specifies single list element, whose content is specified by `content`. List styles should be more finely tuned using CSS instead of using HTML style tags.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

link

Specifies a connection to an external file.

Syntax

```
<link href = "URL">
```

Discussion

This tag specifies an external file which is related to the HTML document it is enclosed in. For example, you should use this tag in the head of an HTML document to specify an external CSS stylesheet.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

listing

Deprecated. Equivalent to [“pre”](#) (page 38).

Syntax

```
<listing>
```

Discussion

This tag is supported for backwards compatibility only. You should not use it in new documents.

Availability

Available in Safari 3.0 and later. Available in iPhone OS 1.0 and later. Deprecated in HTML 3.2, not available in HTML 4 and later.

map

Specifies a browser-processed image map.

Syntax

```
<map name = "id" id = "id">
```

Discussion

This tag encloses the `area` elements that define the regions of an image map. The identifier specified by `id` and by `name` should be used by an `` element's `usemap` property.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

This tag encloses the `area` elements that define the regions of an image map. The identifier specified by `id` and by `name` should be used by an `` element's `usemap` property.

marquee

Specifies a horizontally scrolling block of content.

Syntax

```
<marquee>content</marquee>
```

Discussion

This tag specifies a block of content that scrolls horizontally (by default, across 100% of the enclosing element). The content specified by `content` can be arbitrary—it is not limited to text alone. You can specify a custom width using CSS styling techniques.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

menu

Deprecated. Specifies a menu list.

Syntax

```
<menu> content </menu>
```

Discussion

This tag specifies a definition list. Within the bounds of this block, terms to be defined should be marked using the `<dt>` tag, and their definitions should be marked using the `<dd>` tag,

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later. This tag has been deprecated in the HTML 4.01 standard. List styles should be more finely tuned using CSS instead of using HTML style tags, and the structure should be defined instead with the `` and `` tags.

meta

Specifies metainformation about an HTML page.

Syntax

```
<meta name = "title" content = "content">
```

Discussion

This tag specifies a list of metainformation about a page, such as keywords for a search engine to index. The title specified by `name` defines what metainformation you are displaying. The text specified by `content` is the actual metainformation.

For information on Apple-specific meta tag keys, see [“Input Values and Additional Meta Tags”](#) (page 93).

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

nobr

Specifies a region of content with no embedded line breaks.

Syntax

```
<nobr>content</nobr>
```

Discussion

The content specified by `content` is displayed with no line breaks. It is intended for blocks that must remain on one line.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

noembed

Specifies content to display to browsers that do not support embedded objects.

Syntax

```
<noembed>content</noembed>
```

Discussion

This tag specifies a block of content that will display in browsers that do not support embedded objects.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

noframes

Specifies content that displays in browsers that do not support frames.

Syntax

```
<noframes> content </noframes>
```

Discussion

This tag specifies a block of content that displays in browsers that do not support frames or have them deactivated.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

nolayer

Specifies content that displays in browsers that do not support layers.

Syntax

```
<nolayer>content</nolayer>
```

Discussion

This tag specifies a block of content that displays in browsers that do not support layers.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

noscript

Specifies content that displays in browsers that do not run scripts.

Syntax

```
<noscript> content </noscript>
```

Discussion

This tag specifies a block of content that displays to browsers who do not support execution of scripts or have them deactivated.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

object

Embeds an object within a page.

Syntax

```
<object height="value" width="value" archive="URL" data="URL">content</object>  
<object height="value" width="value" data="URL" codebase="URL">content</object>
```

Discussion

The object is displayed at the location of the tag in the page, with a height specified by `height` and a width specified by `width`.

The location of the object is given by the URL specified by `archive` for a Java archive, `data` for some arbitrary embedded data (an image, for example), or `codebase` for object code of any other type.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

ol

Specifies an ordered list.

Syntax

```
<ol> content </ol>
```

Discussion

This tag specifies an ordered, numbered list. Within the bounds of this block, list items should be defined using the `` tag.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

optgroup

Specifies a group of options.

Syntax

```
<optgroup label = "label"> options </optgroup>
```

Discussion

Within a `select` input type, this tag specifies a subgroup of options. Within the bounds of this block, individual options are specified using the `<option>` tag. The title of the subgroup is specified by `label`, and in Safari is displayed as bold grey text, with its associated options indented under it.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

option

Specifies a list option.

Syntax

```
<option value = "value"> title </option>
```

Discussion

Within a `select` input type, this tag specifies a single selectable option. The form value of the option is specified by `value`, and its visible name is specified by `title`. These can be placed directly within a `select` input type or within an `optgroup` within it.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

p

Displays a paragraph.

Syntax

```
<p> content </p>
```

Discussion

This tag indicates a paragraph in the document.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

param

Represents a parameter for an `object` declaration.

Syntax

```
<param name = "name" value = "value">
```

Discussion

This tag represents a specific parameter for an embedded `object` element. You can place any number of these, but they must be enclosed within the `<object>` block. The parameter's name/key is specified by `name` and its value is specified by `value`.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

plaintext

Represents a block of preformatted text.

Syntax

```
<plaintext>content</plaintext>
```

Discussion

This tag preserves the formatting of the block of text specified by `content`, specifically line breaks and multiple spaces (normal text operation in Safari displays no difference between a single space and multiple consecutive spaces). In Safari, text enclosed in this element is also rendered in a monospace "teletype" font. This also stops the interpretation of HTML tags, so they are rendered onscreen. This tag is not well-supported and may cause unintended behavior in Safari; consider using the `<pre>` tag instead.

Availability

Available in Safari 1.0 and later. Available with limited support in iPhone OS 1.0 and later.

pre

Represents a block of preformatted text.

Syntax

```
<pre> content </pre>
```

Discussion

This tag preserves the formatting of the block of text specified by `content`, specifically line breaks and multiple spaces (normal text operation in Safari displays no difference between a single space and multiple consecutive spaces). In Safari, text enclosed in this element is also rendered in a monospace "teletype" font.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

q

Displays an inline quotation.

Syntax

```
<q> content </q>
```

Discussion

The text specified by `content` is displayed in quotes but otherwise will match the style of the enclosing element. Styles should be more finely tuned using CSS instead of using HTML style tags. Para

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

S

Deprecated. Defines a block of text in strikethrough style.

Syntax

```
<s> content </s>
```

Discussion

The content specified by `content` is rendered with a crossbar.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later. This tag has been deprecated in the HTML 4.01 standard. The `` tag is more appropriate for this function. Styles should be more finely tuned using CSS instead of using HTML style tags.

samp

Specifies text as sample code.

Syntax

```
<samp> content </samp>
```

Discussion

This tag specifies a block of code. The text enclosed within the tags will use a “teletype” monospaced character font.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

script

Embeds and executes script code.

Syntax

```
<script type =”mimetype”> code </script>
```

Discussion

This tag specifies a block of script code, such as JavaScript. The code specified by `code` is invisible onscreen, but is visible in the page source. Code embedded within script tags (unless defined inside functions) is executed immediately on page load. The MIME type of the script should be specified by `type`.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

select

Specifies a selection input type.

Syntax

```
<select> options </select>
```

Discussion

This tag specifies a selection menu. This block must contain a set of `option` elements or `optgroup` elements containing options. In Safari, if the `size` property is explicitly set for this tag, the input box will resemble a Mac OS X combo box, otherwise it will resemble a pop-up menu.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

small

Displays text in a small size.

Syntax

```
<small> content </small>
```

Discussion

The text specified by `content` is displayed in a smaller size but otherwise will match the style of the enclosing element. Styles should be more finely tuned using CSS instead of using HTML style tags.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

SOURCE

Provides a resource URI for a multimedia element such as `audio` or `video`.

Syntax

```
<video poster="bananas.png" ... >  
  <source  
    src="bananas.mp4"  
    type="video/mp4; codecs=&quot;avc1.42E01E, mp4a.40.2&quot;"  
    media="screen"  
    pixelration="1.78"  <!-- 16:9 -->  
  >  
</source>
```



```
<source ...></source>
<source ...></source>

<!-- Fallback content for browsers that do not support the video tag goes
here. -->

</video>
```

Discussion

Web developers should take care to specify type and codec information appropriately. Browsers use this information to choose the media that is most appropriate according to available codecs, screen resolution, and so on.

Availability

Available in Safari 3.1 and later.

span

Specifies an inline styleless section in a document.

Syntax

```
<span> content </span>
```

Discussion

This tag specifies a section in a document. Multiple consecutive spans are placed horizontal on the page by default. Use CSS styles to tune the style properties of this element.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

strike

Deprecated. Defines a block of text in strikethrough style.

Syntax

```
<strike> content </strike>
```

Discussion

The content specified by `content` is rendered with a crossbar.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later. This tag has been deprecated in the HTML 4.01 standard. The `` tag is more appropriate for this function. Styles should be more finely tuned using CSS instead of using HTML style tags.

strong

Specifies text as “strong” emphasized text.

Syntax

```
<strong> content </strong>
```

Discussion

This tag specifies a block of emphasized text. Styles should be more finely tuned using CSS instead of using HTML style tags.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

style

Defines an inline stylesheet.

Syntax

```
<style type = "mimetype" > css_declarations </style>
```

Discussion

This tag specifies a CSS stylesheet within the page. All CSS declarations should be placed within this block. This tag should be placed in the `head` section of a page. If you are linking to an external stylesheet, use the `link` element instead.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

sub

Specifies text as subscript.

Syntax

```
<sub> content </sub>
```

Discussion

The text specified by `content` is displayed in a smaller size and is subscripted, but otherwise matches the style of the enclosing element. Styles should be more finely tuned using CSS instead of using HTML style tags.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

sup

Specifies text as superscript.

Syntax

```
<sup> content </sup>
```

Discussion

The text specified by `content` is displayed in a smaller size and is superscripted, but otherwise matches the style of the enclosing element. Styles should be more finely tuned using CSS instead of using HTML style tags.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

table

Defines a data table.

Syntax

```
<table> content </table>
```

Discussion

This tag defines a table structure for a page. The HTML specified by `content` should contain the other structural elements such as table rows (`<tr>`) and table cells (`<td>`).

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

tbody

Defines a table's body.

Syntax

```
<tbody> content </tbody>
```

Discussion

This tag defines a the body for a table. It is only a structural definition and by default does not render anything unique, so the HTML specified by `content` should contain the other structural elements such as table rows (`<tr>`) and table cells (`<td>`).

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

td

Defines a table cell.

Syntax

```
<td> content </td>
```

Discussion

This tag defines a cell within a table. Cells are usually enclosed by table row (`<tr>`) definitions. Consecutive table cells are placed horizontally onscreen.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

textarea

Specifies a text area input type.

Syntax

```
<textarea rows ="value" cols ="value"> content </select>
```

Discussion

This tag specifies a scrollable, multi-line text input block. You can specify its size onscreen by specifying values for `rows` and `cols`.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

tfoot

Defines a table's footer.

Syntax

```
<tfoot> content </tfoot>
```

Discussion

This tag defines a footer for a table. It is only a structural definition and by default does not render anything unique, so the HTML specified by `content` should contain the other structural elements such as table rows (`<tr>`) and table cells (`<td>`).

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

th

Defines header text for a table column.

Syntax

```
<th> content </th>
```

Discussion

Table headers should be placed in their own table row, usually the first in a table definition, and should correspond in number to table cell definitions in later rows. In Safari, the text specified by `content` is displayed in a bold face.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

thead

Defines a table's header.

Syntax

```
<thead> content </thead>
```

Discussion

This tag defines a header for a table. It is only a structural definition and by default does not render anything unique, so the HTML specified by `content` should contain the other structural elements such as table rows (`<tr>`) and table cells (`<td>`).

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

title

Defines the visible window title for the page.

Syntax

```
<title> content </title>
```

Discussion

The text specified by `content` is displayed at the top of a browser window, but remains invisible in embedded WebKit web views unless requested programatically. This tag must be placed in the `head` section of a page.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

tr

Defines a table row.

Syntax

```
<tr> content </tr>
```

Discussion

This tag defines a row within a table. Table cells are usually enclosed by these rows. Consecutive table rows are placed vertically onscreen.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

tt

Displays text in a “teletype” style.

Syntax

```
<tt> content </tt>
```

Discussion

The text specified by `content` is displayed in a monospaced “teletype” style, but otherwise matches the style of the enclosing element. Styles should be more finely tuned using CSS instead of using HTML style tags.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

u

Deprecated. Defines a block of underlined text.

Syntax

```
<u> content </u>
```

Discussion

The content specified by `content` is underlined.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later. This tag has been deprecated in the HTML 4.01 standard. The `<ins>` tag is more appropriate for this function. Styles should be more finely tuned using CSS instead of using HTML style tags. Additionally, underlined text should not be used as it may be confused with actual hyperlinks.

ul

Specifies an unordered list.

Syntax

```
<ul> content </ul>
```

Discussion

This tag specifies an unordered, bulleted list. Within the bounds of this block, list items should be defined using the `` tag.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

var

Specifies a variable.

Syntax

```
<var> content </var>
```

Discussion

This tag specifies a variable. The text enclosed within the tags is italicized.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

video

Embeds video into a webpage.

Syntax

```
<video src="url"
  poster="freezeimage.png"
  autoplay="true"
  start="00:00:00.00"
  loopstart="00:00:00.07" <!-- 7 seconds -->
  loopend="00:00:00.19"
  end="00:00:00.27"
  playcount="4" <!-- play 4x -->
  controls="true"
  width="640"
```

```

    height="480"
  >

```

Discussion

The `video` element may contain fallback content for browsers that do not support this element. Any content enclosed within the `video` element is ignored by browsers that support the `audio` element (but it must be valid HTML).

The `video` element supports inclusion of `source` elements to provide multiple versions of a video clip encoded with different codecs, at different bit rates, and so on. These `source` elements must be the first elements inside the `video` element before any fallback content. See [“source”](#) (page 40) for more information.

Availability

Available in Safari 3.1 and later.

wbr

Specifies a block in which line breaks are permitted.

Syntax

```
<wbr>content</wbr>
```

Discussion

Within a `<nobr>` block (in which line breaks are disabled), any content specified by `content` is permitted to use line breaks. The line breaks themselves must still be requested using the `
` tag.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

xmp

Represents a block of literal text.

Syntax

```
<xmp>content</xmp>
```

Discussion

This tag preserves the formatting of the block of text specified by `content`, specifically line breaks, multiple spaces, and the greater-than and less-than symbols that accompany HTML tags. This block is also prefaced with a newline. In Safari, text enclosed in this element is also rendered in a monospace “teletype” font. This tag is not well-supported and may cause unintended behavior in Safari; consider using the `<pre>` tag instead.

Availability

Available in Safari 1.0 and later. Available with limited support in iPhone OS 1.0 and later.

Supported Attributes

This article defines all the attributes that are supported by Safari and WebKit.

Supported Attributes

If an attribute is not listed here, it is not supported by Safari and WebKit. The “Related Tags” section of each attribute links to the elements that the attribute directly applies to. If an attribute applies to the vast majority of elements, the “Related Tags” section is omitted. Some attributes are also marked as deprecated, which means they are supported by Safari but, because they are no longer supported by the HTML specification, are not guaranteed to be supported in the future.

abbr

Specifies the abbreviation for a table header cell.

Related Tags

[“td”](#) (page 43)

[“th”](#) (page 44)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

accept

Specifies the supported MIME types for a form.

Related Tags

[“form”](#) (page 27)

[“input”](#) (page 30)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

accept-charset

Specifies the supported character sets for a form.

Related Tags

[“form”](#) (page 27)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

accesskey

Specifies the access key for accessibility/screen reading.

Related Tags

- [“a”](#) (page 17)
- [“area”](#) (page 18)
- [“button”](#) (page 22)
- [“input”](#) (page 30)
- [“label”](#) (page 32)
- [“legend”](#) (page 32)
- [“textarea”](#) (page 43)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

action

Specifies the URL of a form processor (for example, a CGI script)

Related Tags

- [“form”](#) (page 27)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

align

Aligns inline elements within an element. Deprecated in HTML 4.01 (use CSS styling instead).

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

alink

Specifies the color of a currently active hyperlink. Deprecated in HTML 4.01 (use CSS styling instead).

Related Tags

- [“body”](#) (page 21)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

alt

Provides a short description of an image, area, or input type.

Related Tags

- [“applet”](#) (page 18)
- [“area”](#) (page 18)
- [“img \(or image\)”](#) (page 30)
- [“input”](#) (page 30)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

archive

Specifies a comma-separated list of Java archive URLs.

Related Tags

- [“applet”](#) (page 18)
- [“object”](#) (page 36)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

autocapitalize

If `off`, deactivates automatic capitalization for an input element; if `on`, activates automatic capitalization for the element.

Related Tags

- [“input”](#) (page 30)

Availability

Available in iPhone OS 1.1.1 and later.

Support Level

Apple extension.

autocomplete

If `off`, deactivates automatic completion for an input element; if `on`, activates automatic completion for the element.

Related Tags

- [“input”](#) (page 30)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.1.1 and later.

autocorrect

If `off`, deactivates automatic correction for an input element; if `on`, activates automatic correction for the element.

Availability

Available in iPhone OS 1.1.1 and later.

Support Level

Apple extension.

autoplay

Specifies whether a media element should begin playing as soon as it is loaded.

Related Tags

[“audio”](#) (page 19)

[“video”](#) (page 46)

Availability

Available in Safari 3.1 and later.

autosave

Specifies an autosave name for a search field, so prior searches can be saved.

Related Tags

[“input”](#) (page 30)

Availability

Available in Safari 1.3 and later.

Support Level

Apple extension.

axis

Specifies a comma-separated list of category names for a table cell or table header cell.

Related Tags

[“td”](#) (page 43)

[“th”](#) (page 44)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

background

Specifies a background image. Deprecated in HTML 4.01 (use CSS styling instead).

Related Tags

[“body”](#) (page 21)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

behavior

Used for the marquee element. Can be set to `scroll` to continually scroll, `slide` to slide it to the edge and start again at the beginning, or `alternate` to scroll back and forth.

Related Tags

[“marquee”](#) (page 34)

Availability

Available in Safari 1.2 and later. Available in iPhone OS 1.0 and later.

bgcolor

Sets the background color of an element. Deprecated in HTML 4.01 (use CSS styling instead).

Related Tags

[“body”](#) (page 21)

[“table”](#) (page 43)

[“td”](#) (page 43)

[“th”](#) (page 44)

[“tr”](#) (page 45)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

bgproperties

Sets the background style if a background image has been set. The only value available is `fixed`, which will lock the background in place as the page scrolls.

Related Tags

[“body”](#) (page 21)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

border

Sets the visible border width for a table.

Related Tags

[“img \(or image\)”](#) (page 30)

[“object”](#) (page 36)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

bordercolor

Defines the color of a table border; has no effect in Safari.

Related Tags

[“table”](#) (page 43)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

cellpadding

Defines the pixel spacing within table cells.

Related Tags

[“table”](#) (page 43)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

cellspacing

Defines the pixel spacing between cells.

Related Tags

[“table”](#) (page 43)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

challenge

Provides an arbitrary string that acts as the challenge for a keygen.

Related Tags

[“keygen”](#) (page 31)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

char

Defines the axis of alignment for a block of text (for example, the decimal point in an English monetary value). The default is a decimal point.

Related Tags

- [“col”](#) (page 23)
- [“colgroup”](#) (page 24)
- [“tbody”](#) (page 43)
- [“td”](#) (page 43)
- [“tfoot”](#) (page 44)
- [“th”](#) (page 44)
- [“thead”](#) (page 44)
- [“tr”](#) (page 45)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

charoff

Specifies the offset to the alignment character specified by the `char` attribute.

Related Tags

- [“col”](#) (page 23)
- [“colgroup”](#) (page 24)
- [“tbody”](#) (page 43)
- [“td”](#) (page 43)
- [“tfoot”](#) (page 44)
- [“th”](#) (page 44)
- [“thead”](#) (page 44)
- [“tr”](#) (page 45)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

charset

Defines the character encoding style of a given linked resource.

Related Tags

- [“a”](#) (page 17)
- [“link”](#) (page 33)
- [“script”](#) (page 39)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

checked

Indicates that a checkbox element should show up as checked in a form.

Discussion

This attribute does not require a value: its presence indicates the box is checked, its absence indicates it is not.

Related Tags

[“input”](#) (page 30)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

cellborder

Sets the width of the border of an individual table cell.

Availability

Available in Safari 1.3 and later. Available in iPhone OS 1.0 and later.

cite

Specifies the URL for the source of a citation, or a string explaining the reason for a change.

Related Tags

[“blockquote”](#) (page 21)

[“q”](#) (page 39)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

class

Space-separated list of CSS classes defining the style for an element.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

classid

Specifies the URL of the implementation for an embedded object.

Related Tags

[“object”](#) (page 36)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

clear

Specifies the flow direction of text around a line break. Deprecated in HTML 4.01 (use CSS styling instead).

Related Tags

[“br”](#) (page 21)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

code

Defines the class file for an applet specified with the `applet` tag. Deprecated in HTML 4.01, along with the `applet` tag.

Related Tags

[“applet”](#) (page 18)

Availability

Available in Safari 1.0 and later.

codebase

Defines the base URL for a class ID, data file, or archive specified with the `object` tag. Deprecated in HTML 4.01 for the `applet` tag, but not for the `object` tag.

Related Tags

[“object”](#) (page 36)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

codetype

Defines the content-type for the code embedded by the `object` tag.

Related Tags

[“object”](#) (page 36)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

color

Defines the text color for font elements. Deprecated in HTML 4.01 (use CSS styling instead).

Related Tags

[“basefont”](#) (page 20)

[“font”](#) (page 27)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

cols

Defines the number of columns in a text area or frame set.

Related Tags

[“frameset”](#) (page 28)

[“textarea”](#) (page 43)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

colspan

Defines the number of columns spanned by an individual column definition.

Related Tags

[“td”](#) (page 43)

[“th”](#) (page 44)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

compact

Compresses the space between elements in a list or menu. Deprecated in HTML 4.01 (use CSS styling instead).

Related Tags

[“dir”](#) (page 25)

[“dl”](#) (page 25)

[“menu”](#) (page 34)

[“ol”](#) (page 36)

[“ul”](#) (page 46)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

composite

Specifies how an image gets composited onto a Dashboard widget.

Related Tags

[“img \(or image\)”](#) (page 30)

Availability

Available in Safari 1.3 and later. Available in iPhone OS 1.0 and later.

Support Level

Apple extension.

content

Specifies the content for a given meta key.

Related Tags

[“meta”](#) (page 34)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

contenteditable

If `true`, the element can be edited on the fly; if `false`, it cannot.

Availability

Available in Safari 1.2 and later. Available in iPhone OS 1.0 and later.

controls

If `true`, the media element includes controls, such as a play button; if `false`, it does not.

Related Tags

[“audio”](#) (page 19)

[“video”](#) (page 46)

Availability

Available in Safari 3.1 and later.

coords

Specifies a comma-separated list of lengths for the area element or for client-side image maps.

Related Tags

[“area”](#) (page 18)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

data

Specifies a URL to data required by an embedded object element.

Related Tags

[“object”](#) (page 36)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

datetime

Specifies the date and time of a change.

Discussion

Used for the `del` and `ins` elements. Uses the ISO date format.

Related Tags

[“del”](#) (page 24)

[“ins”](#) (page 30)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

declare

Added alone to an object element’s definition. Tells the object to declare but not instantiate itself.

Related Tags

[“object”](#) (page 36)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

defer

Added alone to a script element’s definition. Tells the script to defer execution.

Related Tags

[“script”](#) (page 39)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

dir

Specifies the direction (ltr/rtl) of text within an element.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

direction

Specifies the scrolling direction for the marquee element. Can be set to “left” or “right”.

Related Tags

[“marquee”](#) (page 34)

Availability

Available in Safari 1.2 and later. Available in iPhone OS 1.0 and later.

disabled

Added alone to an input type’s definition. Disables (greys out) the element.

Related Tags

[“button”](#) (page 22)

[“input”](#) (page 30)

[“optgroup”](#) (page 37)

[“option”](#) (page 37)

[“select”](#) (page 40)

[“textarea”](#) (page 43)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

enctype

Defines the MIME content encoding type for a form.

Related Tags

[“form”](#) (page 27)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

end

Specifies the time at which an audio or video element will stop playing. If this attribute is not specified, the media element will play to completion.

Related Tags

[“audio”](#) (page 19)

[“video”](#) (page 46)

Availability

Available in Safari 3.1 and later.

face

Comma-separated list of font names. Deprecated in HTML 4.01 (use CSS styling instead).

Related Tags

[“basefont”](#) (page 20)

[“font”](#) (page 27)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

for

Specifies the identifier of the control the label is relevant to.

Related Tags

[“label”](#) (page 32)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

frame

Specifies which sides of a table frame should be shown.

Discussion

Possible values are: `void` (none), `above`, `below`, `hsides` (top and bottom), `vsides` (right and left), `rhs` (right hand side), `lhs` (left hand side), `box` (all four sides), and `border` (all four sides).

Related Tags

[“table”](#) (page 43)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

frameborder

Specifies whether or not to display a frameborder. Can be set to “1” or “0”.

Related Tags

[“frame”](#) (page 28)

[“iframe”](#) (page 30)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

headers

Specifies a space-separated list of identifiers of table header cells.

Related Tags

[“td”](#) (page 43)

[“th”](#) (page 44)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

height

Specifies the height of the element. Deprecated in HTML 4.01 for applets and table elements.

Related Tags

[“applet”](#) (page 18)

[“iframe”](#) (page 30)

[“img \(or image\)”](#) (page 30)

[“object”](#) (page 36)

[“td”](#) (page 43)

[“th”](#) (page 44)

[“video”](#) (page 46)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

hidden

If `true`, the embedded object is hidden onscreen; if `false`, it is not.

Related Tags

[“embed”](#) (page 26)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

href

Specifies the URL for any kind of link or area definition.

Related Tags

- [“a”](#) (page 17)
- [“area”](#) (page 18)
- [“base”](#) (page 20)
- [“link”](#) (page 33)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

hreflang

Specifies the language of the resource linked to by the element’s href attribute.

Related Tags

- [“a”](#) (page 17)
- [“link”](#) (page 33)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

hspace

Specifies the pixel size of the horizontal spacing surrounding the element. Deprecated in HTML 4.01 (use CSS styling instead).

Related Tags

- [“applet”](#) (page 18)
- [“img \(or image\)”](#) (page 30)
- [“object”](#) (page 36)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

http-equiv

Used in the meta element. Contains some kind of information about the header of the page.

Related Tags

- [“meta”](#) (page 34)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

id

Specifies a unique identifier for an element.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

incremental

Specifies whether or not the “search” input type should perform the search as the user is typing.

Related Tags

[“input”](#) (page 30)

Availability

Available in Safari 1.3 and later.

Support Level

Apple extension.

ismap

Added alone to an image or input element. Indicate that the element corresponds to a server-side image map.

Related Tags

[“img \(or image\)”](#) (page 30)

[“input”](#) (page 30)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

keytype

Specifies the key type for the `keygen` element. Can be set to RSA or DSA.

Related Tags

[“keygen”](#) (page 31)

Availability

Available in Safari 1.2 and later. Available in iPhone OS 1.0 and later.

label

Specifies the label for options or option groups within a pull-down menu.

Related Tags

[“optgroup”](#) (page 37)

[“option”](#) (page 37)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

lang

Specifies the base language for the element's attributes and textual content. Values are standard two-letter language codes.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

language

Specifies the language of a `script` element. Deprecated in HTML 4.01.

Related Tags

[“script”](#) (page 39)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

leftmargin

Used in the `body` element. Specifies the left margin of the page content.

Related Tags

[“body”](#) (page 21)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

link

Color of an unvisited hyperlink. Deprecated in HTML 4.01 (use CSS styling instead).

Related Tags

[“link”](#) (page 33)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

longdesc

Long textual description for images and frames. Augments the `alt` attribute for an element.

Related Tags

[“frame”](#) (page 28)

[“iframe”](#) (page 30)

[“img \(or image\)”](#) (page 30)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

loop

Specifies the number of times a media element (movie or sound) will loop. Also specifies the number of times a marquee element will loop.

Related Tags

- [“embed”](#) (page 26)
- [“marquee”](#) (page 34)
- [“object”](#) (page 36)

Availability

Available in Safari 1.2 and later. Available in iPhone OS 1.0 and later.

loopend

Specifies the time at which an audio or video element will loop back to the time specified by the `loopstart` attribute.

Discussion

Looping occurs only if the `playcount` attribute for the element is set to a value higher than 1. By default, the value for this attribute is equal to the value for the `end` attribute.

Related Tags

- [“audio”](#) (page 19)
- [“video”](#) (page 46)

Availability

Available in Safari 3.1 and later.

loopstart

Specifies the time to which an audio or video element will return when it loops.

Discussion

Looping occurs only if the `playcount` attribute for the element is set to a value higher than 1. By default, the value for this attribute is equal to the value for the `start` attribute.

Related Tags

- [“audio”](#) (page 19)
- [“video”](#) (page 46)

Availability

Available in Safari 3.1 and later.

manifest

Specifies the relative path to the application cache manifest file that specifies the resources—such as HTML, JavaScript, CSS, and image files—to download and store in the application cache.

Related Tags

[“html”](#) (page 29)

Availability

Available in iPhone OS 2.2 and later.

marginheight

Specifies the height of the margins in a frame.

Related Tags

[“frame”](#) (page 28)

[“iframe”](#) (page 30)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

marginwidth

Specifies the width of the margins in a frame.

Related Tags

[“frame”](#) (page 28)

[“iframe”](#) (page 30)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

max

Same as the `maxLength` attribute.

Related Tags

[“input”](#) (page 30)

Availability

Available in Safari 1.3 and later. Available in iPhone OS 1.0 and later.

maxlength

Specifies the maximum input length for a text input field in characters.

Related Tags

[“input”](#) (page 30)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

mayscript

Added alone to an applet element’s definition. Tells the script to allow the applet access to the JavaScript scripting objects.

Related Tags

[“applet”](#) (page 18)

Availability

Available in Safari 1.2 and later. Available in iPhone OS 1.0 and later.

media

Defines the media type that the element is designed for.

Discussion

The default value is `screen`, but the attribute can also be set to `tty` for a fixed-pitch device, `tv` for low-resolution televisions, `projection` for projectors, `handheld` for handheld devices, `print` for printed material, `braille` for braille devices, `aural` for speech synthesizers, or `all` for all devices.

Related Tags

[“link”](#) (page 33)

[“source”](#) (page 40)

[“style”](#) (page 42)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

method

Specifies the form submission method, either `POST` or `GET`.

Related Tags

[“form”](#) (page 27)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

min

Specifies the minimum input length for a text field.

Related Tags

[“input”](#) (page 30)

Availability

Available in Safari 1.3 and later. Available in iPhone OS 1.0 and later.

multiple

Added alone to a `select` element’s definition. If present, the element will permit multiple selections.

Related Tags

[“select”](#) (page 40)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

name

Specifies the name of the element, which can be used in a variety of ways.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

nohref

Added alone to an `area` element’s definition. If present, the area has no particular action assigned to it.

Related Tags

[“area”](#) (page 18)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

noresize

Added alone to a `frame` element’s definition. If present, the frames cannot be resized.

Related Tags

[“frame”](#) (page 28)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

nosave

Legacy attribute. Has no effect in Safari.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

noshade

Added alone to an `hr` element's definition. If present, the rule is drawn as a single line and not as a "groove."
Deprecated in HTML 4.01 (use CSS styling instead).

Related Tags

["hr"](#) (page 29)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

nowrap

Added alone to a table cell's definition. Suppresses word wrap if present. Deprecated in HTML 4.01 (use CSS styling instead).

Related Tags

["td"](#) (page 43)

["th"](#) (page 44)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

object

Specifies the URL of a serialized applet in an `applet` element. Deprecated in HTML 4.01 along with the `applet` element.

Related Tags

["applet"](#) (page 18)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

onabort

JavaScript delegate. The code specified by this attribute is called when the image element it is assigned to is aborted during load.

Related Tags

["img \(or image\)"](#) (page 30)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

onbeforecopy

JavaScript delegate. The code specified by this attribute is called before the associated element is copied.

Availability

Available in Safari 1.3 and later.

onbeforecut

JavaScript delegate. The code specified by this attribute is called before the associated element is cut.

Availability

Available in Safari 1.3 and later.

onbeforepaste

JavaScript delegate. The code specified by this attribute is called before the associated element has something pasted into it.

Availability

Available in Safari 1.3 and later.

onbeforeunload

JavaScript delegate. The code specified by this attribute is called before the associated element is unloaded from the page.

Availability

Available in Safari 1.3 and later.

onblur

JavaScript delegate. The code specified by this attribute is called when the associated element loses focus.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

onchange

JavaScript delegate. The code specified by this attribute is called when the associated element changes its value.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

onclick

JavaScript delegate. The code specified by this attribute is called when the associated element is clicked.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

oncontextmenu

JavaScript delegate. The code specified by this attribute is called when the associated element is right-clicked or when the mouse button is held down long enough to generate a contextual menu.

Availability

Available in Safari 1.1 and later.

oncopy

JavaScript delegate. The code specified by this attribute is called when the associated element is copied.

Availability

Available in Safari 1.3 and later.

oncut

JavaScript delegate. The code specified by this attribute is called when the associated element is cut.

Availability

Available in Safari 1.3 and later.

ondblclick

JavaScript delegate. The code specified by this attribute is called when the associated element is double-clicked.

Availability

Available in Safari 1.0 and later.

ondrag

JavaScript delegate. The code specified by this attribute is called when the associated element is dragged.

Availability

Available in Safari 1.3 and later.

ondragend

JavaScript delegate. The code specified by this attribute is called when the associated element is done being dragged.

Availability

Available in Safari 1.3 and later.

ondragenter

JavaScript delegate. The code specified by this attribute is called when a drag has entered the associated element.

Availability

Available in Safari 1.3 and later.

ondragleave

JavaScript delegate. The code specified by this attribute is called when a drag has left the associated element.

Availability

Available in Safari 1.3 and later.

ondragover

JavaScript delegate. The code specified by this attribute is called when a drag is over the associated element.

Availability

Available in Safari 1.3 and later.

ondragstart

JavaScript delegate. The code specified by this attribute is called when the associated element has started to be dragged.

Availability

Available in Safari 1.3 and later.

ondrop

JavaScript delegate. The code specified by this attribute is called when the associated element is dropped.

Availability

Available in Safari 1.3 and later.

onerror

JavaScript delegate. The code specified by this attribute is called when the associated element has an error in loading.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

onfocus

JavaScript delegate. The code specified by this attribute is called when the associated element gets focus.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

ongesturechange

Specifies the JavaScript method to invoke when fingers are moved during a gesture.

Availability

Available in iPhone OS 2.0 and later.

Support Level

Apple extension.

ongestureend

Specifies the JavaScript method to invoke when the gesture ends (when there are 1 or 0 fingers touching the surface).

Availability

Available in iPhone OS 2.0 and later.

Support Level

Apple extension.

ongesturestart

Specifies the JavaScript method to invoke when two or more fingers touch the surface.

Availability

Available in iPhone OS 2.0 and later.

Support Level

Apple extension.

oninput

JavaScript delegate. The code specified by this attribute is called when text is entered into the associated element.

Availability

Available in Safari 1.3 and later. Available in iPhone OS 1.0 and later.

onkeydown

JavaScript delegate. The code specified by this attribute is called when a key is pressed over the associated element.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

onkeypress

JavaScript delegate. The code specified by this attribute is called when a key is pressed and released over the associated element.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

onkeyup

JavaScript delegate. The code specified by this attribute is called when a key is released over the associated element.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

onload

JavaScript delegate. The code specified by this attribute is called when the associated element finishes loading.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

onmousedown

JavaScript delegate. The code specified by this attribute is called when the mouse button is pressed over the associated element.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

onmousemove

JavaScript delegate. The code specified by this attribute is called when a key is moved within the associated element.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

onmouseout

JavaScript delegate. The code specified by this attribute is called when the mouse leaves the associated element.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

onmouseover

JavaScript delegate. The code specified by this attribute is called when the mouse is over the associated element.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

onmouseup

JavaScript delegate. The code specified by this attribute is called when the mouse button is released over the associated element.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

onmousewheel

JavaScript delegate. The code specified by this attribute is called when the mouse wheel button is rotated.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

onorientationchange

The JavaScript method to invoke when the orientation of the device changes.

Availability

Available in iPhone OS 1.1.1 and later.

onpaste

JavaScript delegate. The code specified by this attribute is called when the associated element is pasted.

Availability

Available in Safari 1.3 and later.

onreset

JavaScript delegate. The code specified by this attribute is called when the associated form element is reset.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

onresize

JavaScript delegate. The code specified by this attribute is called when the associated element is resized.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

onscroll

JavaScript delegate. The code specified by this attribute is called when the associated element is scrolled (a text box would use this, for example).

Availability

Available in Safari 1.2 and later. Available in iPhone OS 1.0 and later.

onsearch

JavaScript delegate. The code specified by this attribute is called when the associated element is copied.

Availability

Available in Safari 1.3 and later.

Support Level

Apple extension.

onselect

JavaScript delegate. The code specified by this attribute is called when text within the associated element is selected.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

onselectstart

JavaScript delegate. The code specified by this attribute is called when the associated element begins to be selected. You can use this to prevent selections.

Availability

Available in Safari 1.3 and later.

onsubmit

JavaScript delegate. The code specified by this attribute is called when the associated form element is submitted.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

ontouchcancel

Specifies the JavaScript method to invoke when the system cancels tracking for the touch.

Availability

Available in iPhone OS 2.0 and later.

Support Level

Apple extension.

ontouchend

Specifies the JavaScript method to invoke when a given event lifts from the surface.

Availability

Available in iPhone OS 2.0 and later.

Support Level

Apple extension.

ontouchmove

Specifies the JavaScript method to invoke when a finger for a given event moves on the surface.

Availability

Available in iPhone OS 2.0 and later.

Support Level

Apple extension.

ontouchstart

Specifies the JavaScript method to invoke when a finger for a given event touches the surface.

Availability

Available in iPhone OS 2.0 and later.

Support Level

Apple extension.

onunload

JavaScript delegate. The code specified by this attribute is called when the associated element is unloaded from the page.

Availability

Available in iPhone OS 2.1 and later.

oversrc

Specifies the source of an image to be displayed when the mouse is over an element. Useful for rollovers.

Related Tags

[“img \(or image\)”](#) (page 30)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

placeholder

Specifies the placeholder text displayed in light grey when the search input field is not currently in use.

Related Tags

[“input”](#) (page 30)

Availability

Available in Safari 1.3 and later. Available in iPhone OS 1.0 and later.

Support Level

Apple extension.

playcount

Specifies the number of times an audio or video element will loop. The default value is 1, meaning the element will play only once.

Related Tags

[“audio”](#) (page 19)

[“video”](#) (page 46)

Availability

Available in Safari 3.1 and later. Available in iPhone OS 1.0 and later.

pluginpage

Specifies the URL of the page where visitors can find the plug-in required to display content embedded with the `embed` element. This has been deprecated along with the `embed` element.

Related Tags

[“embed”](#) (page 26)

Availability

Available in Safari 1.0 and later. Available with limited support in iPhone OS 1.0 and later.

pluginspage

Same as the `pluginpage` attribute.

Related Tags

[“embed”](#) (page 26)

Availability

Available in Safari 1.0 and later. Available with limited support in iPhone OS 1.0 and later.

pluginurl

Same as the `pluginspage` attribute, except it links directly to the plug-in itself (in Java archive format).

Related Tags

[“embed”](#) (page 26)

Availability

Available in Safari 1.0 and later. Available with limited support in iPhone OS 1.0 and later.

poster

Specifies the URL for an image to display while a video element is loading.

Related Tags

[“video”](#) (page 46)

Availability

Available in Safari 3.1 and later. Available with limited support in iPhone OS 1.0 and later.

precision

Availability

Available in Safari 1.3 and later. Available in iPhone OS 1.0 and later.

profile

Specifies the URL to a file of meta data or a list of said files.

Related Tags

[“head”](#) (page 28)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

prompt

Specifies the textual prompt for the `isindex` element. Deprecated in HTML 4.01.

Related Tags

[“isindex”](#) (page 31)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

readonly

Added alone to a `textarea`'s definition. If present, the `textarea` will not be editable.

Related Tags

[“textarea”](#) (page 43)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

rel

Defines a relationship to another document. The URL specified by this property relates to this document by rel. In other words, it is the next-order relation.

Related Tags

[“a”](#) (page 17)

[“link”](#) (page 33)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

results

Specifies how many results should be returned by the search input type.

Related Tags

[“input”](#) (page 30)

Availability

Available in Safari 1.3 and later.

Support Level

Apple extension.

rev

Defines a relationship to another document. This document relates to the URL specified by this property as rev. In other words, it is the reverse-order relation.

Related Tags

[“a”](#) (page 17)

[“link”](#) (page 33)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

ROWS

Defines the number of rows in a textarea or frameset.

Related Tags

[“frameset”](#) (page 28)

[“textarea”](#) (page 43)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

rowspan

Defines the number of rows spanned by an individual row definition.

Related Tags

[“td”](#) (page 43)

[“th”](#) (page 44)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

rules

Specifies which rulings to show for a table element. Its potential values are `none`, `groups`, `rows`, `cols`, and `all`.

Related Tags

[“table”](#) (page 43)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

scheme

Defines the scheme to be used to interpret a meta value.

Related Tags

[“meta”](#) (page 34)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

scope

Specifies the scope handled by a table’s header cells. Possible values are `row`, `col`, `rowgroup`, and `colgroup`.

Related Tags

[“td”](#) (page 43)

[“th”](#) (page 44)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

scrollamount

Specifies the number of pixels that a marquee element will scroll between successive redraws of its onscreen view.

Related Tags

[“marquee”](#) (page 34)

Availability

Available in Safari 1.2 and later. Available in iPhone OS 1.0 and later.

scrollDelay

Specifies the number of milliseconds that a marquee element will delay between successive redraws of its onscreen view.

Related Tags

[“marquee”](#) (page 34)

Availability

Available in Safari 1.2 and later. Available in iPhone OS 1.0 and later.

scrolling

Specifies whether or not a frame or iframe element should have scrollbars.

Discussion

Setting this property to `yes` will always show the scrollbars, `no` will never show the scrollbars, and `auto` will show the scrollbars only if the content needs to scroll (this is the default).

Related Tags

[“frame”](#) (page 28)

[“iframe”](#) (page 30)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

selected

Added alone to an `option` definition. If present, the option with this property is selected in the list.

Related Tags

[“option”](#) (page 37)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

shape

Defines the shape of an area element or a client-side image map. Can take the form of `default`, `rect`, `circle`, or `poly`.

Related Tags

[“a”](#) (page 17)

[“area”](#) (page 18)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

size

Defines the physical size of a variety of inputs and fonts. Deprecated in HTML 4.01 (use CSS styling instead).

Related Tags

[“basefont”](#) (page 20)

[“font”](#) (page 27)

[“hr”](#) (page 29)

[“input”](#) (page 30)

[“select”](#) (page 40)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

span

Specifies the number of columns that a given `col` or `colgroup` definition will span.

Related Tags

[“col”](#) (page 23)

[“colgroup”](#) (page 24)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

SRC

Specifies a URL for an external file or resource.

Related Tags

[“audio”](#) (page 19)

[“frame”](#) (page 28)

[“iframe”](#) (page 30)

[“img \(or image\)”](#) (page 30)

[“input”](#) (page 30)

[“script”](#) (page 39)

[“video”](#) (page 46)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

standby

Defines a message to show while an object is being loaded within an `object` definition.

Related Tags

[“object”](#) (page 36)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

start

Specifies the time at which an audio or video element starts playing. By default, the element starts at the beginning.

Also defines the starting sequence number for an ordered list. This functionality is deprecated in HTML 4.01 (use CSS styling instead).

Related Tags

[“audio”](#) (page 19)

[“ol”](#) (page 36)

[“video”](#) (page 46)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

style

Specifies CSS style information for the element. The style definitions are placed inline with this property. To specify external styles (defined in external files or in a `style` element), use the `class` property.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

summary

Specifies a textual summary for a table of data.

Related Tags

[“table”](#) (page 43)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

tabindex

Specifies the tab index for a hyperlink or input element. Can range from 0 to 32767. As a user tabs through a page, the focus will follow this tabbing order.

Related Tags

- [“a”](#) (page 17)
- [“area”](#) (page 18)
- [“button”](#) (page 22)
- [“input”](#) (page 30)
- [“object”](#) (page 36)
- [“select”](#) (page 40)
- [“textarea”](#) (page 43)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

tableborder

Specifies the width of a table’s border. You should use CSS styling to define this property instead.

Related Tags

- [“table”](#) (page 43)

Availability

Available in Safari 1.3 and later. Available in iPhone OS 1.0 and later.

target

Defines the target window for a hyperlink. You can specify any target definition, but the following values are built-in: “_blank” will load the clicked URL into a new, unnamed window; “_self” will load in the same frame that was clicked; “_parent” will load into the parent frame of the frame that was clicked; “_top” will load the document into the original window, eliminating any existing frameset.

Related Tags

- [“a”](#) (page 17)
- [“area”](#) (page 18)
- [“base”](#) (page 20)
- [“form”](#) (page 27)
- [“link”](#) (page 33)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

text

Defines the page-wide text color in the body element. Deprecated in HTML 4.01 (use CSS styling instead).

Related Tags

[“body”](#) (page 21)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

title

Defines a title for the associated element. In Safari, this will display a tool tip for the element with this value.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

topmargin

Specifies the top margin of the page content.

Related Tags

[“body”](#) (page 21)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

truespeed

Specifies whether or not a marquee operates at the true speed specified by its parameters. The default behavior will constrain the speed to certain minimum values of scroll delay and scroll amount.

Related Tags

[“marquee”](#) (page 34)

Availability

Available in Safari 1.2 and later. Available in iPhone OS 1.0 and later.

type

Defines a textual content type for elements like scripts and objects, and input types for the input element. See the input types table below for possible values.

Related Tags

[“a”](#) (page 17)

[“button”](#) (page 22)

[“input”](#) (page 30)

[“li”](#) (page 33)

[“link”](#) (page 33)

[“object”](#) (page 36)

[“ol”](#) (page 36)

[“param”](#) (page 38)

[“script”](#) (page 39)

[“style”](#) (page 42)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

usemap

Specifies the URL for an image map on a document. Usually this is an anchor (for example, “#myMap”) defined as a map element on the page.

Related Tags

[“img \(or image\)”](#) (page 30)

[“input”](#) (page 30)

[“object”](#) (page 36)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

valign

Specifies vertical alignment within a column or table element definition.

Related Tags

[“col”](#) (page 23)

[“colgroup”](#) (page 24)

[“tbody”](#) (page 43)

[“td”](#) (page 43)

[“tfoot”](#) (page 44)

[“th”](#) (page 44)

[“thead”](#) (page 44)

[“tr”](#) (page 45)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

value

Specifies the current value for an input type. For those elements that can display their values (such as text fields), they will display this value onscreen. Otherwise the values are all available as form values when submitted.

Related Tags

[“button”](#) (page 22)

[“input”](#) (page 30)

[“li”](#) (page 33)

[“option”](#) (page 37)

[“param”](#) (page 38)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

valuetype

Specifies the value type for a `param` element within an object definition. Can be `data` if the value is evaluated and passed as a string, `ref` if the value is a URL and is unevaluated when passed, or `object` if the value is an identifier that refers to an object definition.

Related Tags

[“param”](#) (page 38)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

version

Specifies the version of the HTML DTD used to verify the document. Deprecated in HTML 4.01, use DOCTYPE declarations instead.

Related Tags

[“html”](#) (page 29)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

vlink

Color of an already-visited hyperlink. Deprecated in HTML 4.01 (use CSS styling instead).

Related Tags

[“body”](#) (page 21)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

vspace

Specifies the pixel size of the vertical spacing surrounding the element. Deprecated in HTML 4.01 (use CSS styling instead).

Related Tags

[“applet”](#) (page 18)

[“img \(or image\)”](#) (page 30)

[“object”](#) (page 36)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

width

Specifies the height of the element. Deprecated in HTML 4.01 for applets and table elements.

Related Tags

- [“applet”](#) (page 18)
- [“iframe”](#) (page 30)
- [“img \(or image\)”](#) (page 30)
- [“object”](#) (page 36)
- [“td”](#) (page 43)
- [“th”](#) (page 44)
- [“video”](#) (page 46)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

wrap

Defines the wrap style for a textarea. Can be set to `soft` to wrap without outputting carriage returns to the field, `hard` to wrap with outputting carriage returns, and `off` to not wrap at all.

Related Tags

- [“textarea”](#) (page 43)

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

Input Values and Additional Meta Tags

This article describes supported keys for the `input` tag along with Apple-specific meta tags.

Input Type Values

Safari supports many different input types. They can be specified using the `type` attribute of the `input` element. These input types are listed below.

button

A button input type. More versatile than a submit button.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

checkbox

A standard checkbox.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

file

A file upload interface.

Availability

Available in Safari 1.0 and later.

hidden

A hidden input type (to store values without showing them on the page). Note that the input can still be seen in the page source.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

image

An image that acts as an input.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

password

A visually-shielded password field.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

radio

A radio button.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

range

A slider. Its minimum value should be set with the `min` attribute, its maximum value should be set with `max`, and its discrete step size should be set with `step`.

Availability

Available in Safari 2.0 and later.

Support Level

Apple extension.

reset

A reset button for a form.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

search

A search field. Uses the `incremental`, `placeholder`, `autosave`, and `results` attributes in addition to standard HTML attributes.

Availability

Available in Safari 2.0 and later.

Support Level

Apple extension.

submit

A submission button for a form.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

text

A standard text field.

Availability

Available in Safari 1.0 and later. Available in iPhone OS 1.0 and later.

Additional meta Tag Keys

apple-mobile-web-app-capable

Sets whether a web application runs in full-screen mode.

Syntax

```
<meta name="apple-mobile-web-app-capable" content="yes" />
```

Discussion

If `content` is set to `yes`, the web application runs in full-screen mode; otherwise, it does not. The default behavior is to use Safari to display web content.

You can determine whether a webpage is displayed in full-screen mode using the `window.navigator.standalone` read-only Boolean JavaScript property.

Availability

Available in iPhone OS 2.1 and later.

Support Level

Apple extension.

apple-mobile-web-app-status-bar-style

Sets the style of the status bar for a web application.

Syntax

```
<meta name="apple-mobile-web-app-status-bar-style" content="black" />
```

Discussion

This meta tag has no effect unless you first specify full-screen mode as described in [“apple-mobile-web-app-capable”](#) (page 95).

If `content` is set to `default`, the status bar appears normal. If set to `black`, the status bar has a black background. If set to `black-translucent`, the status bar is black and translucent. If set to `default` or `black`, the web content is displayed below the status bar. If set to `black-translucent`, the web content is displayed on the entire screen, partially obscured by the status bar. The default value is `default`.

Availability

Available in iPhone OS 2.1 and later.

Support Level

Apple extension.

viewport

Changes the logical window size used when displaying a page on iPhone.

Syntax

```
<meta name = "viewport" content = "width = 320,
    initial-scale = 2.3, user-scalable = no">
```

Discussion

Use the viewport meta key to improve the presentation of your web content on iPhone. Typically, you use the viewport meta tag to set the width and initial scale of the viewport.

For example, if your webpage is narrower than 980 pixels, then you should set the width of the viewport to fit your web content. If you are designing an iPhone-specific web application, you should set the width to the width of the device.

[Table 1](#) (page 97) describes the properties supported by the viewport meta key and their default values. When providing multiple properties for the viewport meta key, you should use a comma-delimited list of assignment statements.

When referring to the dimensions of a device, you should use the constants described in [Table 2](#) (page 98) instead of hard-coding specific numeric values. For example, use `device-width` instead of 320 for the width, and `device-height` instead of 480 for the height in portrait orientation.

You do not need to set every viewport property. If only a subset of the properties are set, then Safari on iPhone infers the other values. For example, if you set the scale to 1.0, Safari assumes the width is `device-width` in portrait and `device-height` in landscape orientation. Therefore, if you want the width to be 980 pixels and the initial scale to be 1.0, then set both of these properties.

For example, to set the viewport width to the width of the device, add this to your HTML file:

```
<meta name = "viewport" content = "width = device-width">
```

To set the initial scale to 1.0, add this to your HTML file:

```
<meta name = "viewport" content = "initial-scale = 1.0">
```

To set the initial scale and to turn off user scaling, add this to your HTML file:


```
<meta name = "viewport" content = "initial-scale = 2.3, user-scalable = no">
```

Use the Safari on iPhone console to help debug your webpages as described in [Debugging](#). The console contains tips to help you choose viewport values—for example, it reminds you to use the constants when referring to the device width and height.

Availability

Available in iPhone OS 1.0 and later.

Support Level

Apple extension.

Table 1 Viewport properties

| Property | Description |
|---------------|--|
| width | The width of the viewport in pixels. The default is 980. The range is from 200 to 10,000. You can also set this property to the constants described in Table 2 (page 98). Available on iPhone OS 1.0 and later. |
| height | The height of the viewport in pixels. The default is calculated based on the value of the width property and the aspect ratio of the device. The range is from 223 to 10,000 pixels. You can also set this property to the constants described in Table 2 (page 98). Available on iPhone OS 1.0 and later. |
| initial-scale | The initial scale of the viewport as a multiplier. The default is calculated to fit the webpage in the visible area. The range is determined by the <code>minimum-scale</code> and <code>maximum-scale</code> properties. You can set only the initial scale of the viewport—the scale of the viewport the first time the webpage is displayed. Thereafter, the user can zoom in and out unless you set <code>user-scalable</code> to <code>no</code> . Zooming by the user is also limited by the <code>minimum-scale</code> and <code>maximum-scale</code> properties. Available on iPhone OS 1.0 and later. |
| minimum-scale | Specifies the minimum scale value of the viewport. The default is 0.25. The range is from >0 to 10.0. Available on iPhone OS 1.0 and later. |
| maximum-scale | Specifies the maximum scale value of the viewport. The default is 1.6. The range is from >0 to 10.0. Available on iPhone OS 1.0 and later. |
| user-scalable | Determines whether or not the user can zoom in and out—whether or not the user can change the scale of the viewport. Set to <code>yes</code> to allow scaling and <code>no</code> to disallow scaling. The default is <code>yes</code> . Setting <code>user-scalable</code> to <code>no</code> also prevents a webpage from scrolling when entering text in an input field. Available on iPhone OS 1.0 and later. |

Table 2 Special viewport property values

| Value | Description |
|---------------|---|
| device-width | The width of the device in pixels. Available on iPhone OS 1.1.1 and later. |
| device-height | The height of the device pixels. Available on iPhone OS 1.1.1 and later. |

Document Revision History

This table describes the changes to *Safari HTML Reference*.

| Date | Notes |
|------------|--|
| 2008-11-12 | Revised document structure and added application cache manifest and other iPhone OS HTML attributes. |
| 2008-10-15 | Minor edits throughout. |
| 2008-09-09 | Updated for Safari 3.1. |
| 2008-01-15 | Moved reference information for the viewport meta key from Safari Web Content Guide for iPhone. |
| 2007-12-11 | Added iPhone-specific HTML attributes. |
| 2007-09-04 | Reformatted content. |
| 2006-05-23 | Corrected typos. |
| 2005-11-09 | Corrected typos. |
| 2005-08-11 | Corrected typos. |
| | Corrected typos. Added information on the paragraph tag. |
| 2005-06-28 | Corrected a typo. |
| 2005-06-04 | New document that describes the HTML tags and properties supported by Safari and the Web Kit. |

