
PDFSelection Class Reference

[Graphics & Imaging](#) > Cocoa





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PDFSelection Class Reference

Inherits from	NSObject
Conforms to	NSCopying NSObject (NSObject)
Framework	Library/Frameworks/Quartz.framework/Frameworks/PDFKit.framework
Availability	Available in Mac OS X v10.4 and later.
Declared in	PDFSelection.h

Overview

A `PDFSelection` object identifies a contiguous or noncontiguous selection of text in a PDF document.

Tasks

Initializing a Selection

- [initWithDocument:](#) (page 9)
Returns an empty `PDFSelection` object.

Getting Information About a Selection

- [pages](#) (page 10)
Returns the array of pages contained in the selection.
- [string](#) (page 11)
Returns an `NSString` object representing the text contained in the selection (may contain linefeed characters).
- [attributedString](#) (page 7)
Returns an `NSAttributedString` object representing the text contained in the selection (may contain linefeed characters).
- [boundsForPage:](#) (page 7)
Returns the bounds of the selection on the specified page.
- [selectionsByLine](#) (page 10)
Returns an array of selections, one for each line of text covered by the receiver.

- [color](#) (page 8)
Returns the color used to draw the selection.

Modifying a Selection

- [addSelection:](#) (page 6)
Adds the specified selection to the receiving selection.
- [addSelections:](#) (page 7)
Adds the specified array of selections to the receiving selection.
- [extendSelectionAtEnd:](#) (page 9)
Extends the selection from its end toward the end of the document.
- [extendSelectionAtStart:](#) (page 9)
Extends the selection from its start toward the beginning of the document.

Managing Selection Drawing

- [drawForPage:active:](#) (page 8)
Calls [drawForPage:withBox:active:](#) (page 8) with a default value for box parameter.
- [drawForPage:withBox:active:](#) (page 8)
Draws the selection relative to the origin of the specified box in page space.
- [setColor:](#) (page 10)
Sets the color used for the drawing of a selection in both active and inactive states.

Instance Methods

addSelection:

Adds the specified selection to the receiving selection.

```
(void)addSelection:(PDFSelection *)selection
```

Discussion

Selections do not have to be contiguous. If the selection to be added overlaps with the receiving selection, the overlap is removed in a process called normalization.

Availability

Available in Mac OS X v10.4 and later.

See Also

- [extendSelectionAtEnd:](#) (page 9)
- [extendSelectionAtStart:](#) (page 9)

Declared In

PDFSelection.h

addSelections:

Adds the specified array of selections to the receiving selection.

```
- (void)addSelections:(NSArray *)selections
```

Discussion

This method provides better performance than multiple calls to `addSelection` if you need to add several selections to an existing selection. This is because the normalization of the selection (the removal of any overlaps between selections) occurs only once, after all selections have been added.

Availability

Available in Mac OS X v10.5 and later.

See Also

- [addSelection:](#) (page \$@)

Declared In

PDFSelection.h

attributedString

Returns an `NSAttributedString` object representing the text contained in the selection (may contain linefeed characters).

```
- (NSAttributedString *)attributedString
```

Availability

Available in Mac OS X v10.4 and later.

See Also

- [string](#) (page 11)

Declared In

PDFSelection.h

boundsForPage:

Returns the bounds of the selection on the specified page.

```
- (NSRect)boundsForPage:(PDFPage *)page
```

Discussion

The selection rectangle is given in page space.

Page space is a 72 dpi coordinate system with the origin at the lower-left corner of the current page.

Availability

Available in Mac OS X v10.4 and later.

Declared In

PDFSelection.h

color

Returns the color used to draw the selection.

- (NSColor *)color

Discussion

Note that when no color has been specified for the `PDFSelection` objects in a document, the selections are drawn using `[NSColor selectedTextBackgroundColor]` for the active state and `[NSColor secondarySelectedControlColor]` for the inactive state.

Availability

Available in Mac OS X v10.5 and later.

See Also

- [setColor:](#) (page \$@)

Declared In

`PDFSelection.h`

drawForPage:active:

Calls [drawForPage:withBox:active:](#) (page 8) with a default value for box parameter.

- (void)drawForPage:(PDFPage *)page active:(BOOL)active

Discussion

The default value is `kPDFDisplayBoxCropBox`. If `active` is YES, drawing uses `selectedTextBackgroundColor`. If NO, it uses `secondarySelectedControlColor`.

Availability

Available in Mac OS X v10.4 and later.

See Also

- [drawForPage:withBox:active:](#) (page 8)

Declared In

`PDFSelection.h`

drawForPage:withBox:active:

Draws the selection relative to the origin of the specified box in page space.

- (void)drawForPage:(PDFPage *)page withBox:(PDFDisplayBox)box active:(BOOL)active

Discussion

The selection is drawn using the current highlight color. If `active` is YES, drawing uses `selectedTextBackgroundColor`. If NO, it uses `secondarySelectedControlColor`. Refer to the `PDFPage` class for the list of available box types.

Page space is a 72 dpi coordinate system with the origin at the lower-left corner of the current page.

Availability

Available in Mac OS X v10.4 and later.

See Also

- [drawForPage:active:](#) (page 8)

Declared In

PDFSelection.h

extendSelectionAtEnd:

Extends the selection from its end toward the end of the document.

- (void)extendSelectionAtEnd:(NSInteger)chars

Discussion

The selection may be extended by any amount, up to and including the end of the document.

Availability

Available in Mac OS X v10.4 and later.

See Also

- [extendSelectionAtStart:](#) (page 9)

- [addSelection:](#) (page 6)

Declared In

PDFSelection.h

extendSelectionAtStart:

Extends the selection from its start toward the beginning of the document.

- (void)extendSelectionAtStart:(NSInteger)chars

Discussion

The selection may be extended by any amount, up to and including the beginning of the document.

Availability

Available in Mac OS X v10.4 and later.

See Also

- [extendSelectionAtEnd:](#) (page 9)

- [addSelection:](#) (page 6)

Declared In

PDFSelection.h

initWithDocument:

Returns an empty PDFSelection object.

- (id)initWithDocument:(PDFDocument *)document

Discussion

Typically, you don't need to create a `PDFSelection` object, but you can use an empty `PDFSelection` object as a container into which you can place selections, using `addSelection:` (page \$@) and `addSelections`.

Availability

Available in Mac OS X v10.5 and later.

Declared In

`PDFSelection.h`

pages

Returns the array of pages contained in the selection.

- (NSArray *)pages

Discussion

Pages are sorted by index number.

Availability

Available in Mac OS X v10.4 and later.

Declared In

`PDFSelection.h`

selectionsByLine

Returns an array of selections, one for each line of text covered by the receiver.

- (NSArray *)selectionsByLine

Discussion

If you call this method on a `PDFSelection` object that represents a paragraph, for example, `selectionsByLine` returns an array that contains one `PDFSelection` object for each line of text in the paragraph.

Availability

Available in Mac OS X v10.5 and later.

Declared In

`PDFSelection.h`

setColor:

Sets the color used for the drawing of a selection in both active and inactive states.

- (void)setColor:(NSColor *)color

Discussion

When no color has been specified for the `PDFSelection` objects in a document, the selections are drawn using `[NSColor selectedTextBackgroundColor]` for the active state and `[NSColor secondarySelectedControlColor]` for the inactive state. Use the `setColor` method to supply a color you want to be used for the drawing of both active and inactive selections.

Availability

Available in Mac OS X v10.5 and later.

See Also

- [color](#) (page \$@)

Declared In

`PDFSelection.h`

string

Returns an `NSString` object representing the text contained in the selection (may contain linefeed characters).

- (`NSString *`)string

Availability

Available in Mac OS X v10.4 and later.

See Also

- [attributedString](#) (page \$@)

Declared In

`PDFSelection.h`

Document Revision History

This table describes the changes to *PDFSelection Class Reference*.

Date	Notes
2007-12-11	Made minor corrections.
2007-10-31	Updated for Mac OS X v10.5.
2006-05-23	First publication of this content as a separate document.

REVISION HISTORY

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