NSImageCell Class Reference

Cocoa > User Experience

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Availability	Available in Mac OS X v10.0 and later.
Declared in	NSImageCell.h
Companion guides	Image Views Matrix Programming Guide for Cocoa Table View Programming Guide
Related sample code	bMoviePalette bMoviePaletteCocoa Cropped Image

Overview

An `NSImageCell` object displays a single image (encapsulated in an `NSImage` object) in a frame. This class provides methods for choosing the frame and for aligning and scaling the image to fit the frame.

The object value of an `NSImageCell` object must be an `NSImage` object, so if you use the `setObjectValue:` method of `NSCell`, be sure to supply an `NSImage` object as an argument. Because an `NSImage` object does not need to be converted for display, do not use the `NSCell` methods relating to formatters.

An `NSImageCell` object is usually associated with some kind of control object—an `NSImageView`, an `NSMatrix`, or an `NSTableView`.

Adopted Protocols

NSCoding

- `encodeWithCoder:`
- `initWithCoder:`

NSCopying
    copyWithZone:

Tasks

Aligning and Scaling the Image

- imageAlignment (page 6)
  Returns the alignment of the receiver's image relative to its frame.
- setImageAlignment: (page 7)
  Sets the alignment of the image in its frame.
- imageScaling (page 7)
  Returns the scaling mode used to fit the receiver's image into the frame.
- setImageScaling: (page 8)
  Sets the scaling mode used to fit the receiver's image into the frame.

Choosing the Frame

- imageFrameStyle (page 7)
  Returns the style of the frame that borders the image.
- setImageFrameStyle: (page 8)
  Sets the style of the frame that borders the image.

Instance Methods

imageAlignment

Returns the alignment of the receiver's image relative to its frame.

```
- (NSImageAlignment)imageAlignment
```

Return Value
One of the image alignment constants. For a list of possible values, see NSImageAlignment (page 9). The default value is NSImageAlignCenter.

Availability
Available in Mac OS X v10.0 and later.

See Also
- setImageAlignment: (page 7)

Declared In
NSImageCell.h

imageFrameStyle

Returns the style of the frame that borders the image.

```
- (NSImageFrameStyle)imageFrameStyle
```

Return Value
One of the frame style constants. For a list of frame styles, see `NSImageFrameStyle` (page 10). The default value is `NSImageFrameNone`.

Availability
Available in Mac OS X v10.0 and later.

See Also
`- setImageFrameStyle:` (page 8)

Declared In
`NSImageCell.h`

imageScaling

Returns the scaling mode used to fit the receiver's image into the frame.

```
- (NSImageScaling)imageScaling
```

Return Value
One of the image scaling constants. For a list of possible values, see `NSImageScaling`. The default value is `NSImageScaleProportionallyDown`.

Availability
Available in Mac OS X v10.0 and later.

See Also
`- setImageScaling:` (page 8)

Declared In
`NSImageCell.h`

setImageAlignment:

Sets the alignment of the image in its frame.

```
- (void)setImageAlignment:(NSImageAlignment)alignment
```

Parameters
alignment
One of the image alignment constants. For a list of possible values, see `NSImageAlignment` (page 9).

Availability
Available in Mac OS X v10.0 and later.

See Also
`- imageAlignment` (page 6)

Declared In
NSImageCell.h

setImageFrameStyle:

Sets the style of the frame that borders the image.

```
- (void)setImageFrameStyle:(NSImageFrameStyle)frameStyle
```

Parameters

frameStyle

One of the frame style constants. For a list of frame styles, see NSImageFrameStyle (page 10).

Availability
Available in Mac OS X v10.0 and later.

See Also
- imageFrameStyle (page 7)

Related Sample Code
bMoviePalette
bMoviePaletteCocoa

Declared In
NSImageCell.h

setImageScaling:

Sets the scaling mode used to fit the receiver's image into the frame.

```
- (void)setImageScaling:(NSImageScaling)scaling
```

Parameters

scaling

One of the image scaling constants. For a list of possible values, see NSImageScaling.

Availability
Available in Mac OS X v10.0 and later.

See Also
- imageScaling (page 7)

Declared In
NSImageCell.h

Constants

NSImageAlignment

These constants allow you to specify the location of the image in the frame and are used by `imageAlignment` (page 6) and `setImageAlignment:` (page 7).

```
typedef enum {
    NSImageAlignCenter = 0,
    NSImageAlignTop,
    NSImageAlignTopLeft,
    NSImageAlignTopRight,
    NSImageAlignLeft,
    NSImageAlignBottom,
    NSImageAlignBottomLeft,
    NSImageAlignBottomRight,
    NSImageAlignRight
} NSImageAlignment;
```

Constants

`NSImageAlignCenter`

Center the image in the cell.

Available in Mac OS X v10.0 and later.

Declared in `NSImageCell.h`.

`NSImageAlignTop`

Position the image along the top edge of the cell.

Available in Mac OS X v10.0 and later.

Declared in `NSImageCell.h`.

`NSImageAlignTopLeft`

Align the image with the top and left edges of the cell.

Available in Mac OS X v10.0 and later.

Declared in `NSImageCell.h`.

`NSImageAlignTopRight`

Align the image with the top and right edges of the cell.

Available in Mac OS X v10.0 and later.

Declared in `NSImageCell.h`.

`NSImageAlignLeft`

Align the image with the left edge of the cell.

Available in Mac OS X v10.0 and later.

Declared in `NSImageCell.h`.

`NSImageAlignBottom`

Align the image with the bottom edge of the cell.

Available in Mac OS X v10.0 and later.

Declared in `NSImageCell.h`.

`NSImageAlignBottomLeft`
Align the image with the bottom and left edges of the cell.

Available in Mac OS X v10.0 and later.

Declared in `NSImageCell.h`.

`NSImageAlignBottomRight`
Align the image with the bottom and right edges of the cell.

Available in Mac OS X v10.0 and later.

Declared in `NSImageCell.h`.

`NSImageAlignRight`
Position the image along the right edge of the cell.

Available in Mac OS X v10.0 and later.

Declared in `NSImageCell.h`.

Availability
Available in Mac OS X v10.0 and later.

Declared In
`NSImageCell.h`

NSImageFrameStyle

These constants allow you to specify the kind of frame bordering the image and are used by `imageFrameStyle` (page 7) and `setImageFrameStyle:` (page 8). These constants are obsolete, and are not compliant with the Apple Human Interface Guidelines:

```
typedef enum {
    NSImageFrameNone = 0,
    NSImageFramePhoto,
    NSImageFrameGrayBezel,
    NSImageFrameGroove,
    NSImageFrameButton
} NSImageFrameStyle;
```

Constants
`NSImageFrameNone`
An invisible frame

Available in Mac OS X v10.0 and later.

Declared in `NSImageCell.h`.

`NSImageFramePhoto`
A thin black outline and a dropped shadow

Available in Mac OS X v10.0 and later.

Declared in `NSImageCell.h`.

`NSImageFrameGrayBezel`
A gray, concave bezel that makes the image look sunken

Available in Mac OS X v10.0 and later.

Declared in `NSImageCell.h`.

`NSImageFrameGroove`

A thin groove that looks etched around the image

Available in Mac OS X v10.0 and later.

Declared in `NSImageCell.h`.

`NSImageFrameButton`

A convex bezel that makes the image stand out in relief, like a button

Available in Mac OS X v10.0 and later.

Declared in `NSImageCell.h`.

Availability
Available in Mac OS X v10.0 and later.

Declared In
`NSImageCell.h`

Document Revision History

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

Date	Notes
2009-01-06	Added descriptions for the NSImageAlignment constants.
2008-10-15	Removed definition of the NSImageScaling constants, which are now documented in the NSCell class reference.
2007-01-22	Updated for Mac OS X v10.5.
2006-05-23	First publication of this content as a separate document.

Document Revision History

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