
NSImageCell Class Reference

User Experience: Windows & Views



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NSImageCell Class Reference

Inherits from	NSCell : NSObject
Conforms to	NSCoding NSCopying NSCoding (NSCell) NSCopying (NSCell) NSObject (NSObject)
Framework	/System/Library/Frameworks/AppKit.framework
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	AnimatedTableView Cropped Image STUCAuthoringDeviceCocoaSample

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 8). 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 8).

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)**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 <code>NSImageAlignment</code> constants.
2008-10-15	Removed definition of the <code>NSImageScaling</code> constants, which are now documented in the <code>NSCell</code> class reference.
2007-01-22	Updated for Mac OS X v10.5.
2006-05-23	First publication of this content as a separate document.

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