NSColorWell Class Reference

Cocoa > User Experience

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NSColorWell Class Reference

Inherits from	NSControl : NSView : NSResponder : NSObject
Conforms to	NSAnimatablePropertyContainer (NSView) NSCoding (NSResponder) NSObject (NSObject)
Framework	/System/Library/Frameworks/AppKit.framework
Availability	Available in Mac OS X v10.0 and later.
Companion guide	Color Programming Topics for Cocoa
Declared in	NSColorWell.h
Related sample code	OpenGLCompositorLab PDF Annotation Editor Quartz 2D Shadings Quartz Composer QCTV Sketch-112

Overview

An `NSColorWell` object is an `NSControl` for selecting and displaying a single color value. An example of an `NSColorWell` object (or simply color well) is found in an `NSColorPanel`, which uses a color well to display the current color selection. A color well is available from the Palettes panel of Interface Builder.

Tasks

Managing Color From Color Wells

`- color` (page 7)
Returns the color of the receiver.

`- setColor:` (page 9)
Sets the color of the receiver and redraws the receiver.

`- takeColorFrom:` (page 9)
Changes the color of the receiver to that of the specified object.

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Activating and Deactivating Color Wells

- `activate:` (page 6)
  Activates the receiver, displays the color panel, and makes the current color the same as its own.
- `deactivate` (page 7)
  Deactivates the receiver and redraws it.
- `isActive` (page 8)
  Returns a Boolean value indicating whether the receiver is active.

Managing Borders of Color Wells

- `isBordered` (page 8)
  Returns a Boolean value indicating whether the receiver has a border.
- `setBordered:` (page 8)
  Places or removes a border on the receiver and redraws the receiver.

Drawing a Color Well

- `drawWellInside:` (page 7)
  Draws the colored area inside the receiver at the specified location without drawing borders.

Instance Methods

activate:

Activates the receiver, displays the color panel, and makes the current color the same as its own.

```
- (void)activate:(BOOL)exclusive
```

Parameters

exclusive
  `YES` to deactivate any other color wells; `NO` to keep them active. If a color panel is active with *exclusive* set to `YES` and another is subsequently activated with *exclusive* set to `NO`, the exclusive setting of the first panel is ignored.

Discussion
This method redraws the receiver. An active color well will have its color updated when the current color of the `NSColorPanel` changes. Any color well that shows its border highlights the border when it's active.

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

See Also
- `deactivate` (page 7)
- `isActive` (page 8)

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Declared In
NSColorWell.h

color

Returns the color of the receiver.

```
- (NSColor *)color
```

Return Value
The color of the receiver.

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

See Also
- setColor: (page 9)
- takeColorFrom: (page 9)

Related Sample Code
ObjectPath

Declared In
NSColorWell.h

deactivate

Deactivates the receiver and redraws it.

```
- (void)deactivate
```

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

See Also
- activate: (page 6)
- isActive (page 8)

Declared In
NSColorWell.h

drawWellInside:

Draws the colored area inside the receiver at the specified location without drawing borders.

```
- (void)drawWellInside:(NSRect)insideRect
```

Parameters
insideRect
The rectangle specifying the area within which to draw.

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

Declared In
NSColorWell.h

isActive

Returns a Boolean value indicating whether the receiver is active.

```
- (BOOL)isActive
```

Return Value
YES if the receiver is active, NO otherwise.

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

Declared In
NSColorWell.h

isBordered

Returns a Boolean value indicating whether the receiver has a border.

```
- (BOOL)isBordered
```

Return Value
YES if the receiver is bordered, NO otherwise.

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

See Also
- setBordered: (page 8)

Declared In
NSColorWell.h

setBordered:

Places or removes a border on the receiver and redraws the receiver.

```
- (void)setBordered:(BOOL)bordered
```

Parameters
bordered
YES to place a border on the receiver, NO to remove it.

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

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See Also
- `isBordered` (page 8)

Declared In
`NSColorWell.h`

setColor:

Sets the color of the receiver and redraws the receiver.

```
- (void)setColor:(NSColor *)color
```

Parameters

color

The new color for the color well.

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

See Also
- `color` (page 7)
- `takeColorFrom:` (page 9)

Declared In
`NSColorWell.h`

takeColorFrom:

Changes the color of the receiver to that of the specified object.

```
- (void)takeColorFrom:(id)sender
```

Parameters

sender

The object from which to take the new color.

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

See Also
- `color` (page 7)
- `setColor:` (page 9)

Declared In
`NSColorWell.h`

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Document Revision History

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

Date	Notes
2007-02-28	Revised task headings.
2006-05-23	First publication of this content as a separate document.

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