
NSColorPickingCustom Protocol Reference

[Cocoa](#) > [User Experience](#)



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

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NSColorPickingCustom Protocol Reference

Adopted by	NSColorPicker
Conforms to	NSColorPickingDefault
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	NSColorPicking.h

Overview

Together with the `NSColorPickingDefault` protocol, `NSColorPickingCustom` provides a way to add color pickers—custom user interfaces for color selection—to an application’s `NSColorPanel` instance. The `NSColorPickingDefault` protocol provides basic behavior for a color picker. The `NSColorPicker` class adopts the `NSColorPickingDefault` protocol.

Tasks

Configuring Color Pickers

- [setColor:](#) (page 7)
Adjusts the receiver to make the specified color the currently selected color.

Getting Color Picker Information

- [currentMode](#) (page 6)
Returns the receiver’s current mode (or submode, if applicable).
- [supportsMode:](#) (page 7)
Returns a Boolean value indicating whether or not the receiver supports the specified picking mode.

Displaying Color Pickers

- [provideNewView:](#) (page 6)
Returns the view containing the receiver's user interface.

Instance Methods

currentMode

Returns the receiver's current mode (or submode, if applicable).

```
- (NSColorPanelMode)currentMode
```

Return Value

The current color picker mode. The returned value should be unique to your color picker. See this protocol description's list of the unique values for the standard color pickers used by the Application Kit.

Availability

Available in Mac OS X v10.0 and later.

See Also

- [supportsMode:](#) (page 7)

Declared In

NSColorPicking.h

provideNewView:

Returns the view containing the receiver's user interface.

```
- (NSView *)provideNewView:(BOOL)initialRequest
```

Parameters

initialRequest

YES only when this method is first invoked for your color picker. If *initialRequest* is YES, the method should perform any initialization required (such as lazily loading a nib file, initializing the view, or performing any other custom initialization required for your picker).

Return Value

The view containing the color picker's user interface. The `NSView` returned by this method should be set to automatically resize both its width and height.

Discussion

This message is sent to the color picker whenever the color panel attempts to display it. This may be when the panel is first presented, when the user switches pickers, or when the picker is switched through an API.

Availability

Available in Mac OS X v10.0 and later.

Declared In

NSColorPicking.h

setColor:

Adjusts the receiver to make the specified color the currently selected color.

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

Parameters

color

The color to set as the currently selected color.

Discussion

This method is invoked on the current color picker each time `NSColorPanel`'s `setColor:` method is invoked. If *color* is actually different from the color picker's color (as it would be if, for example, the user dragged a color into `NSColorPanel`'s color well), this method could be used to update the color picker's color to reflect the change.

Availability

Available in Mac OS X v10.0 and later.

Declared In

`NSColorPicking.h`

supportsMode:

Returns a Boolean value indicating whether or not the receiver supports the specified picking mode.

```
- (BOOL)supportsMode:(NSColorPanelMode)mode
```

Parameters

mode

The color picking mode.

Return Value

YES if the color picker supports the specified color picking mode; otherwise NO.

Discussion

This method is invoked when the `NSColorPanel` is first initialized: It is used to attempt to restore the user's previously selected mode. It is also invoked by `NSColorPanel`'s `setMode:` method to find the color picker that supports a particular mode. See this protocol description's list of the unique mode values for the standard color pickers used by the Application Kit.

Availability

Available in Mac OS X v10.0 and later.

See Also

- [currentMode](#) (page 6)

Declared In

`NSColorPicking.h`

Document Revision History

This table describes the changes to *NSColorPickingCustom Protocol Reference*.

Date	Notes
2007-04-01	Made editorial improvements.
2006-05-23	First publication of this content as a separate document.

REVISION HISTORY

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