

[AppKit](#) / NSComboBox

Class

NSComboBox

A button with a pull-down menu and a default action.

macOS 13.0+

```
@MainActor
class NSComboBox
```

Overview

An [NSComboBox](#) object is a button that displays a title string, image, and an optional control for displaying a menu. Use this control in places where you want to offer a button with a default action and one or more alternative actions. Clicking the title or image executes the default action you provide, and clicking the menu control displays a menu for selecting a different action. If you configure the button to hide the menu control, a long-press gesture displays the menu.

After you create a combo button programmatically or in Interface Builder, choose the button [style](#) you want and add a title or image for your content. A combo button has a default action, which you specify at creation time. You can also change that action later using the inherited [target](#) and [action](#) properties. To specify one or more alternative actions, configure a menu with those actions and assign it to the button's [menu](#) property.

This control doesn't use an [NSCell](#) object for its underlying implementation. It also doesn't support the addition of a contextual menu.

Topics

Creating a Combo Button

```
convenience init(title: String, image: NSImage, menu: NSMenu?, target: Any?, action: Selector?)
```

Creates a combo button that displays both a title and image.

```
convenience init(title: String, menu: NSMenu?, target: Any?, action: Selector?)
```

Creates a combo button that displays a title.

```
convenience init(image: NSImage, menu: NSMenu?, target: Any?, action: Selector?)
```

Creates a combo button that displays an image.

Configuring the Button Appearance

```
var style: NSComboButton.Style
```

The appearance setting that determines how the button presents its menu .

```
enum Style
```

Constants that indicate how a combo button presents its menu.

```
var title: String
```

The localized string that the button displays.

```
var image: NSImage?
```

The image that the button displays.

```
var imageScaling: NSImageScaling
```

The scaling behavior to apply to the button's image.

Specifying the Alternative Actions

```
var menu: NSMenu
```

The menu that contains the button's alternate actions.

Relationships

Inherits From

`NSControl`

Conforms To

`CVarArg`
`CustomDebugStringConvertible`
`CustomStringConvertible`
`Equatable`
`Hashable`
`NSAccessibilityElementProtocol`
`NSAccessibilityProtocol`
`NSAnimatablePropertyContainer`
`NSAppearanceCustomization`
`NSCoding`
`NSDraggingDestination`
`NSObjectProtocol`
`NSStandardKeyBindingResponding`
`NSTouchBarProvider`
`NSUserActivityRestoring`
`NSUserInterfaceItemIdentification`
`Sendable`
`SendableMetatype`

See Also

Controls



Responding to control-based events using target-action

Handle user input by connecting buttons, sliders, and other controls to your app's code using the target-action design pattern.

`class` `NSButton`

A control that defines an area on the screen that a user clicks to trigger an action.

`class` `NSColorWell`

A control that displays a color value and lets the user change that color value.

☰ Combo Box

Display a list of values in a pop-up menu that lets the user select a value or type in a custom value.

☰ Date Picker

Display a calendar date and provide controls for editing the date value.

`class` `NSImageView`

A display of image data in a frame.

`class` `NSLevelIndicator`

A visual representation of a level or quantity, using discrete values.

☰ Path Control

A display of a file system path or virtual path information.

`class` `NSPopUpButton`

A control for selecting an item from a list.

`class` `NSProgressIndicator`

An interface that provides visual feedback to the user about the status of an ongoing task.

`class` `NSRuleEditor`

An interface for configuring a rule-based list of options.

`class` `NSPredicateEditor`

A defined set of rules that allows the editing of predicate objects.

☰ Search Field

Provide a text field that is optimized for text-based search interfaces.

`class` `NSSegmentedControl`

Display one or more buttons in a single horizontal group.

☰ Slider

Display a range of values from which the user selects a single value.