

[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: NSComboBox.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.

COMBO BOX

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.

COMBO BOX

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

CLASS NSSegmentedControl

Display one or more buttons in a single horizontal group.

COMBO BOX

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