

[AVFoundation](#) / AVPlayerMediaSelectionCriteria

Class

AVPlayerMediaSelectionCriteria

An object that specifies the preferred languages and media characteristics for a player.

iOS 7.0+ | iPadOS 7.0+ | Mac Catalyst 13.1+ | macOS 10.9+ | tvOS 9.0+ | visionOS 1.0+ | watchOS 1.0+

```
class AVPlayerMediaSelectionCriteria
```

Overview

An instance of this object represents the languages and media characteristics of assets that contain media selection options that a player attempts to select automatically when preparing and playing items. It lists the languages and media characteristics in their preferred order.

Topics

Creating media selection criteria

```
init(preferredLanguages: [String]?, preferredMediaCharacteristics: [AVMediaCharacteristic]?)
```

Creates media selection criteria with the preferred languages and media characteristics.

```
init(principalMediaCharacteristics: [AVMediaCharacteristic]?, preferredLanguages: [String]?, preferredMediaCharacteristics: [AVMediaCharacteristic]?)
```

Creates media selection criteria with the principal media characteristics, and preferred languages and media characteristics.

Retrieving selection criteria settings

`var preferredLanguages: [String]?`

An array of language identifiers in preferred order.

`var preferredMediaCharacteristics: [AVMediaCharacteristic]?`

An array of media characteristics in preferred order.

`var principalMediaCharacteristics: [AVMediaCharacteristic]?`

An array of media characteristics that are essential to select when choosing media with a particular characteristic.

Relationships

Inherits From

`NSObject`

Conforms To

`CVarArg`

`CustomDebugStringConvertible`

`CustomStringConvertible`

`Equatable`

`Hashable`

`NSObjectProtocol`

`Sendable`

`SendableMetatype`

See Also

[Media selection](#)

Selecting subtitles and alternative audio tracks

Extend your app's appeal to users by adding subtitles and alternative audio tracks in their native language.

`class AVMediaSelection`

An object that represents a complete rendition of media selection options on an asset.

`class AVMediaSelectionGroup`

An object that represents a collection of mutually exclusive options for the presentation of media within an asset.

`class AVMediaSelectionOption`

An object that represents a specific option for the presentation of media within a group of options.

`class AVMutableMediaSelection`

A mutable object that represents a complete rendition of media selection options on an asset.

`class AVCustomMediaSelectionScheme`

For content that has been authored with the express intent of offering an alternative selection interface for `AVMediaSelectionOptions`, `AVCustomMediaSelectionScheme` provides a collection of custom settings for controlling the presentation of the media.

`class AVMediaPresentationSelector`

For content that has been authored with the express intent of offering an alternative selection interface for `AVMediaSelectionOptions`, `AVMediaPresentationSelector` represents a collection of mutually exclusive settings.

`class AVMediaPresentationSetting`

For content that has been authored with the express intent of offering an alternative selection interface for `AVMediaSelectionOptions`, `AVMediaPresentationSetting` represents a selectable setting for controlling the presentation of the media.