

[Accessibility](#) / [Accessibility API](#) / Braille displays

API Collection

Braille displays

Display a graphical representation of images, icons, data, and more on a two-dimensional braille display.

Overview

A refreshable braille display is a hardware device that shows rows of pins that can raise and lower. People who are blind or deafblind use these devices to read digital content through interaction with a screenreader, such as VoiceOver. For information about connecting a braille display to an Apple device, read [Use a braille display with VoiceOver on iPhone](#).

A two-dimensional refreshable braille display has a grid of evenly spaced pins that you can use to represent images, charts, and other visual data to VoiceOver users so they can experience your content through touch.

Topics

Braille maps

`class` `AXBraillMap`

A representation of a two-dimensional braille display.

`protocol` `AXBraillMapRenderer`

The interface for providing data for a braille map.

See Also

Braille

`class` AXBrailleTable

A rule for translating print text to Braille, and back-translating Braille to print text.

`class` AXBrailleTranslator

Translates print text to Braille and Braille to print text according to the given Braille table.

`class` AXBrailleTranslationResult

The result of translation or back-translation.