# Icon class

A graphical icon widget drawn with a glyph from a font described in an [IconData](https://docs.flutter.io/flutter/widgets/IconData-class.html) such as material's predefined [IconData](https://docs.flutter.io/flutter/widgets/IconData-class.html)s in [Icons](https://docs.flutter.io/flutter/material/Icons-class.html).

Icons are not interactive. For an interactive icon, consider material's [IconButton](https://docs.flutter.io/flutter/material/IconButton-class.html).

There must be an ambient [Directionality](https://docs.flutter.io/flutter/widgets/Directionality-class.html) widget when using [Icon](https://docs.flutter.io/flutter/widgets/Icon-class.html). Typically this is introduced automatically by the [WidgetsApp](https://docs.flutter.io/flutter/widgets/WidgetsApp-class.html) or [MaterialApp](https://docs.flutter.io/flutter/material/MaterialApp-class.html).

See also:

* [IconButton](https://docs.flutter.io/flutter/material/IconButton-class.html), for interactive icons.
* [Icons](https://docs.flutter.io/flutter/material/Icons-class.html), for the list of available icons for use with this class.
* [IconTheme](https://docs.flutter.io/flutter/widgets/IconTheme-class.html), which provides ambient configuration for icons.
* [ImageIcon](https://docs.flutter.io/flutter/widgets/ImageIcon-class.html), for showing icons from [AssetImage](https://docs.flutter.io/flutter/painting/AssetImage-class.html)s or other [ImageProvider](https://docs.flutter.io/flutter/painting/ImageProvider-class.html)s.

Inheritance

* [Object](https://docs.flutter.io/flutter/dart-core/Object-class.html)
* [Diagnosticable](https://docs.flutter.io/flutter/foundation/Diagnosticable-class.html)
* [DiagnosticableTree](https://docs.flutter.io/flutter/foundation/DiagnosticableTree-class.html)
* [Widget](https://docs.flutter.io/flutter/widgets/Widget-class.html)
* [StatelessWidget](https://docs.flutter.io/flutter/widgets/StatelessWidget-class.html)
* Icon

## Constructors

[**Icon**](https://docs.flutter.io/flutter/widgets/Icon/Icon.html)([IconData](https://docs.flutter.io/flutter/widgets/IconData-class.html) icon, { [Key](https://docs.flutter.io/flutter/foundation/Key-class.html) key, [double](https://docs.flutter.io/flutter/dart-core/double-class.html) size, [Color](https://docs.flutter.io/flutter/dart-ui/Color-class.html) color, [String](https://docs.flutter.io/flutter/dart-core/String-class.html) semanticLabel, [TextDirection](https://docs.flutter.io/flutter/dart-ui/TextDirection-class.html) textDirection })

Creates an icon. [[...]](https://docs.flutter.io/flutter/widgets/Icon/Icon.html)

*const*

## Properties

[**color**](https://docs.flutter.io/flutter/widgets/Icon/color.html) → [Color](https://docs.flutter.io/flutter/dart-ui/Color-class.html)

The color to use when drawing the icon. [[...]](https://docs.flutter.io/flutter/widgets/Icon/color.html)

*final*

[**icon**](https://docs.flutter.io/flutter/widgets/Icon/icon.html) → [IconData](https://docs.flutter.io/flutter/widgets/IconData-class.html)

The icon to display. The available icons are described in Icons. [[...]](https://docs.flutter.io/flutter/widgets/Icon/icon.html)

*final*

[**semanticLabel**](https://docs.flutter.io/flutter/widgets/Icon/semanticLabel.html) → [String](https://docs.flutter.io/flutter/dart-core/String-class.html)

Semantic label for the icon. [[...]](https://docs.flutter.io/flutter/widgets/Icon/semanticLabel.html)

*final*

[**size**](https://docs.flutter.io/flutter/widgets/Icon/size.html) → [double](https://docs.flutter.io/flutter/dart-core/double-class.html)

The size of the icon in logical pixels. [[...]](https://docs.flutter.io/flutter/widgets/Icon/size.html)

*final*

[**textDirection**](https://docs.flutter.io/flutter/widgets/Icon/textDirection.html) → [TextDirection](https://docs.flutter.io/flutter/dart-ui/TextDirection-class.html)

The text direction to use for rendering the icon. [[...]](https://docs.flutter.io/flutter/widgets/Icon/textDirection.html)

*final*

[*hashCode*](https://docs.flutter.io/flutter/dart-core/Object/hashCode.html) → [int](https://docs.flutter.io/flutter/dart-core/int-class.html)

The hash code for this object. [[...]](https://docs.flutter.io/flutter/dart-core/Object/hashCode.html)

*read-only, inherited*

[*key*](https://docs.flutter.io/flutter/widgets/Widget/key.html) → [Key](https://docs.flutter.io/flutter/foundation/Key-class.html)

Controls how one widget replaces another widget in the tree. [[...]](https://docs.flutter.io/flutter/widgets/Widget/key.html)

*final, inherited*

[*runtimeType*](https://docs.flutter.io/flutter/dart-core/Object/runtimeType.html) → [Type](https://docs.flutter.io/flutter/dart-core/Type-class.html)

A representation of the runtime type of the object.

*read-only, inherited*

## Methods

[**build**](https://docs.flutter.io/flutter/widgets/Icon/build.html)([BuildContext](https://docs.flutter.io/flutter/widgets/BuildContext-class.html) context) → [Widget](https://docs.flutter.io/flutter/widgets/Widget-class.html)

Describes the part of the user interface represented by this widget. [[...]](https://docs.flutter.io/flutter/widgets/Icon/build.html)

[**debugFillProperties**](https://docs.flutter.io/flutter/widgets/Icon/debugFillProperties.html)([DiagnosticPropertiesBuilder](https://docs.flutter.io/flutter/foundation/DiagnosticPropertiesBuilder-class.html) properties) → void

[*createElement*](https://docs.flutter.io/flutter/widgets/StatelessWidget/createElement.html)( → [StatelessElement](https://docs.flutter.io/flutter/widgets/StatelessElement-class.html)

Creates a [StatelessElement](https://docs.flutter.io/flutter/widgets/StatelessElement-class.html) to manage this widget's location in the tree. [[...]](https://docs.flutter.io/flutter/widgets/StatelessWidget/createElement.html)

*inherited*

[*debugDescribeChildren*](https://docs.flutter.io/flutter/foundation/DiagnosticableTree/debugDescribeChildren.html)( → [List](https://docs.flutter.io/flutter/dart-core/List-class.html)<[DiagnosticsNode](https://docs.flutter.io/flutter/foundation/DiagnosticsNode-class.html)>

Returns a list of [DiagnosticsNode](https://docs.flutter.io/flutter/foundation/DiagnosticsNode-class.html) objects describing this node's children. [[...]](https://docs.flutter.io/flutter/foundation/DiagnosticableTree/debugDescribeChildren.html)

*@protected, inherited*

[*noSuchMethod*](https://docs.flutter.io/flutter/dart-core/Object/noSuchMethod.html)([Invocation](https://docs.flutter.io/flutter/dart-core/Invocation-class.html) invocation) → dynamic

Invoked when a non-existent method or property is accessed. [[...]](https://docs.flutter.io/flutter/dart-core/Object/noSuchMethod.html)

*inherited*

[*toDiagnosticsNode*](https://docs.flutter.io/flutter/foundation/DiagnosticableTree/toDiagnosticsNode.html)([String](https://docs.flutter.io/flutter/dart-core/String-class.html) name, [DiagnosticsTreeStyle](https://docs.flutter.io/flutter/foundation/DiagnosticsTreeStyle-class.html) style }) → [DiagnosticsNode](https://docs.flutter.io/flutter/foundation/DiagnosticsNode-class.html)

Returns a debug representation of the object that is used by debugging tools and by [toStringDeep](https://docs.flutter.io/flutter/foundation/DiagnosticableTree/toStringDeep.html). [[...]](https://docs.flutter.io/flutter/foundation/DiagnosticableTree/toDiagnosticsNode.html)

*inherited*

[*toString*](https://docs.flutter.io/flutter/foundation/Diagnosticable/toString.html)([DiagnosticLevel](https://docs.flutter.io/flutter/foundation/DiagnosticLevel-class.html) minLevel: DiagnosticLevel.debug }) → [String](https://docs.flutter.io/flutter/dart-core/String-class.html)

Returns a string representation of this object.

*inherited*

[*toStringDeep*](https://docs.flutter.io/flutter/foundation/DiagnosticableTree/toStringDeep.html)([String](https://docs.flutter.io/flutter/dart-core/String-class.html) prefixLineOne: '', [String](https://docs.flutter.io/flutter/dart-core/String-class.html) prefixOtherLines, [DiagnosticLevel](https://docs.flutter.io/flutter/foundation/DiagnosticLevel-class.html) minLevel: DiagnosticLevel.debug }) → [String](https://docs.flutter.io/flutter/dart-core/String-class.html)

Returns a string representation of this node and its descendants. [[...]](https://docs.flutter.io/flutter/foundation/DiagnosticableTree/toStringDeep.html)

*inherited*

[*toStringShallow*](https://docs.flutter.io/flutter/foundation/DiagnosticableTree/toStringShallow.html)([String](https://docs.flutter.io/flutter/dart-core/String-class.html) joiner: ', ', [DiagnosticLevel](https://docs.flutter.io/flutter/foundation/DiagnosticLevel-class.html) minLevel: DiagnosticLevel.debug }) → [String](https://docs.flutter.io/flutter/dart-core/String-class.html)

Returns a one-line detailed description of the object. [[...]](https://docs.flutter.io/flutter/foundation/DiagnosticableTree/toStringShallow.html)

*inherited*

[*toStringShort*](https://docs.flutter.io/flutter/widgets/Widget/toStringShort.html)( → [String](https://docs.flutter.io/flutter/dart-core/String-class.html)

A short, textual description of this widget.

*inherited*

## Operators

[*operator ==*](https://docs.flutter.io/flutter/dart-core/Object/operator_equals.html)(dynamic other) → [bool](https://docs.flutter.io/flutter/dart-core/bool-class.html)

The equality operator. [[...]](https://docs.flutter.io/flutter/dart-core/Object/operator_equals.html)

*inherited*