| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/swing/Icon.html) | **Use** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?javax/swing//class-useIcon.html)    [**NO FRAMES**](http://docs.google.com/Icon.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Interface**

**javax.swing.Icon**

| Packages that use [Icon](http://docs.google.com/javax/swing/Icon.html) | |
| --- | --- |
| [**javax.swing**](#3znysh7) | Provides a set of "lightweight" (all-Java language) components that, to the maximum degree possible, work the same on all platforms. |
| [**javax.swing.border**](#2et92p0) | Provides classes and interface for drawing specialized borders around a Swing component. |
| [**javax.swing.colorchooser**](#tyjcwt) | Contains classes and interfaces used by the JColorChooser component. |
| [**javax.swing.filechooser**](#3dy6vkm) | Contains classes and interfaces used by the JFileChooser component. |
| [**javax.swing.plaf**](#1t3h5sf) | Provides one interface and many abstract classes that Swing uses to provide its pluggable look-and-feel capabilities. |
| [**javax.swing.plaf.basic**](#4d34og8) | Provides user interface objects built according to the Basic look and feel. |
| [**javax.swing.plaf.metal**](#2s8eyo1) | Provides user interface objects built according to the Java look and feel (once codenamed *Metal*), which is the default look and feel. |
| [**javax.swing.plaf.synth**](#17dp8vu) | Synth is a skinnable look and feel in which all painting is delegated. |
| [**javax.swing.text**](#3rdcrjn) | Provides classes and interfaces that deal with editable and noneditable text components. |
| [**javax.swing.text.html**](#26in1rg) | Provides the class HTMLEditorKit and supporting classes for creating HTML text editors. |
| [**javax.swing.tree**](#lnxbz9) | Provides classes and interfaces for dealing with javax.swing.JTree. |

| Uses of [Icon](http://docs.google.com/javax/swing/Icon.html) in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) | |
| --- | --- |

| Classes in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) that implement [Icon](http://docs.google.com/javax/swing/Icon.html) | |
| --- | --- |
| class | [**ImageIcon**](http://docs.google.com/javax/swing/ImageIcon.html)            An implementation of the Icon interface that paints Icons from Images. |

| Fields in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) declared as [Icon](http://docs.google.com/javax/swing/Icon.html) | |
| --- | --- |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **JInternalFrame.**[**frameIcon**](http://docs.google.com/javax/swing/JInternalFrame.html#frameIcon)            The icon shown in the top-left corner of this internal frame. |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **JOptionPane.**[**icon**](http://docs.google.com/javax/swing/JOptionPane.html#icon)            Icon used in pane. |

| Methods in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) that return [Icon](http://docs.google.com/javax/swing/Icon.html) | |
| --- | --- |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **JLabel.**[**getDisabledIcon**](http://docs.google.com/javax/swing/JLabel.html#getDisabledIcon())()            Returns the icon used by the label when it's disabled. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **AbstractButton.**[**getDisabledIcon**](http://docs.google.com/javax/swing/AbstractButton.html#getDisabledIcon())()            Returns the icon used by the button when it's disabled. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **LookAndFeel.**[**getDisabledIcon**](http://docs.google.com/javax/swing/LookAndFeel.html#getDisabledIcon(javax.swing.JComponent,%20javax.swing.Icon))([JComponent](http://docs.google.com/javax/swing/JComponent.html) component, [Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Returns an Icon with a disabled appearance. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **JTabbedPane.**[**getDisabledIconAt**](http://docs.google.com/javax/swing/JTabbedPane.html#getDisabledIconAt(int))(int index)            Returns the tab disabled icon at index. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **AbstractButton.**[**getDisabledSelectedIcon**](http://docs.google.com/javax/swing/AbstractButton.html#getDisabledSelectedIcon())()            Returns the icon used by the button when it's disabled and selected. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **LookAndFeel.**[**getDisabledSelectedIcon**](http://docs.google.com/javax/swing/LookAndFeel.html#getDisabledSelectedIcon(javax.swing.JComponent,%20javax.swing.Icon))([JComponent](http://docs.google.com/javax/swing/JComponent.html) component, [Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Returns an Icon for use by disabled components that are also selected. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **JInternalFrame.**[**getFrameIcon**](http://docs.google.com/javax/swing/JInternalFrame.html#getFrameIcon())()            Returns the image displayed in the title bar of this internal frame (usually in the top-left corner). |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **JOptionPane.**[**getIcon**](http://docs.google.com/javax/swing/JOptionPane.html#getIcon())()            Returns the icon this pane displays. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **JLabel.**[**getIcon**](http://docs.google.com/javax/swing/JLabel.html#getIcon())()            Returns the graphic image (glyph, icon) that the label displays. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **AbstractButton.**[**getIcon**](http://docs.google.com/javax/swing/AbstractButton.html#getIcon())()            Returns the default icon. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **JFileChooser.**[**getIcon**](http://docs.google.com/javax/swing/JFileChooser.html#getIcon(java.io.File))([File](http://docs.google.com/java/io/File.html) f)            Returns the icon for this file or type of file, depending on the system. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **UIDefaults.**[**getIcon**](http://docs.google.com/javax/swing/UIDefaults.html#getIcon(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) key)            If the value of key is an Icon return it, otherwise return null. |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **UIManager.**[**getIcon**](http://docs.google.com/javax/swing/UIManager.html#getIcon(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) key)            Returns an Icon from the defaults. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **UIDefaults.**[**getIcon**](http://docs.google.com/javax/swing/UIDefaults.html#getIcon(java.lang.Object,%20java.util.Locale))([Object](http://docs.google.com/java/lang/Object.html) key, [Locale](http://docs.google.com/java/util/Locale.html) l)            If the value of key for the given Locale is an Icon return it, otherwise return null. |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **UIManager.**[**getIcon**](http://docs.google.com/javax/swing/UIManager.html#getIcon(java.lang.Object,%20java.util.Locale))([Object](http://docs.google.com/java/lang/Object.html) key, [Locale](http://docs.google.com/java/util/Locale.html) l)            Returns an Icon from the defaults that is appropriate for the given locale. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **JTabbedPane.**[**getIconAt**](http://docs.google.com/javax/swing/JTabbedPane.html#getIconAt(int))(int index)            Returns the tab icon at index. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **AbstractButton.**[**getPressedIcon**](http://docs.google.com/javax/swing/AbstractButton.html#getPressedIcon())()            Returns the pressed icon for the button. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **AbstractButton.**[**getRolloverIcon**](http://docs.google.com/javax/swing/AbstractButton.html#getRolloverIcon())()            Returns the rollover icon for the button. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **AbstractButton.**[**getRolloverSelectedIcon**](http://docs.google.com/javax/swing/AbstractButton.html#getRolloverSelectedIcon())()            Returns the rollover selection icon for the button. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **AbstractButton.**[**getSelectedIcon**](http://docs.google.com/javax/swing/AbstractButton.html#getSelectedIcon())()            Returns the selected icon for the button. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **TransferHandler.**[**getVisualRepresentation**](http://docs.google.com/javax/swing/TransferHandler.html#getVisualRepresentation(java.awt.datatransfer.Transferable))([Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) t)            Returns an object that establishes the look of a transfer. |

| Methods in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) with parameters of type [Icon](http://docs.google.com/javax/swing/Icon.html) | |
| --- | --- |
| void | **JTabbedPane.**[**addTab**](http://docs.google.com/javax/swing/JTabbedPane.html#addTab(java.lang.String,%20javax.swing.Icon,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) title, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, [Component](http://docs.google.com/java/awt/Component.html) component)            Adds a component represented by a title and/or icon, either of which can be null. |
| void | **JTabbedPane.**[**addTab**](http://docs.google.com/javax/swing/JTabbedPane.html#addTab(java.lang.String,%20javax.swing.Icon,%20java.awt.Component,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) title, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, [Component](http://docs.google.com/java/awt/Component.html) component, [String](http://docs.google.com/java/lang/String.html) tip)            Adds a component and tip represented by a title and/or icon, either of which can be null. |
| static [MatteBorder](http://docs.google.com/javax/swing/border/MatteBorder.html) | **BorderFactory.**[**createMatteBorder**](http://docs.google.com/javax/swing/BorderFactory.html#createMatteBorder(int,%20int,%20int,%20int,%20javax.swing.Icon))(int top, int left, int bottom, int right, [Icon](http://docs.google.com/javax/swing/Icon.html) tileIcon)            Creates a matte-look border that consists of multiple tiles of a specified icon. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **LookAndFeel.**[**getDisabledIcon**](http://docs.google.com/javax/swing/LookAndFeel.html#getDisabledIcon(javax.swing.JComponent,%20javax.swing.Icon))([JComponent](http://docs.google.com/javax/swing/JComponent.html) component, [Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Returns an Icon with a disabled appearance. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **LookAndFeel.**[**getDisabledSelectedIcon**](http://docs.google.com/javax/swing/LookAndFeel.html#getDisabledSelectedIcon(javax.swing.JComponent,%20javax.swing.Icon))([JComponent](http://docs.google.com/javax/swing/JComponent.html) component, [Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Returns an Icon for use by disabled components that are also selected. |
| int | **JTabbedPane.**[**indexOfTab**](http://docs.google.com/javax/swing/JTabbedPane.html#indexOfTab(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Returns the first tab index with a given icon, or -1 if no tab has this icon. |
| protected  void | **JMenuItem.**[**init**](http://docs.google.com/javax/swing/JMenuItem.html#init(java.lang.String,%20javax.swing.Icon))([String](http://docs.google.com/java/lang/String.html) text, [Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Initializes the menu item with the specified text and icon. |
| protected  void | **AbstractButton.**[**init**](http://docs.google.com/javax/swing/AbstractButton.html#init(java.lang.String,%20javax.swing.Icon))([String](http://docs.google.com/java/lang/String.html) text, [Icon](http://docs.google.com/javax/swing/Icon.html) icon) |
| void | **JTextPane.**[**insertIcon**](http://docs.google.com/javax/swing/JTextPane.html#insertIcon(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) g)            Inserts an icon into the document as a replacement for the currently selected content. |
| void | **JTabbedPane.**[**insertTab**](http://docs.google.com/javax/swing/JTabbedPane.html#insertTab(java.lang.String,%20javax.swing.Icon,%20java.awt.Component,%20java.lang.String,%20int))([String](http://docs.google.com/java/lang/String.html) title, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, [Component](http://docs.google.com/java/awt/Component.html) component, [String](http://docs.google.com/java/lang/String.html) tip, int index)            Inserts a component, at index, represented by a title and/or icon, either of which may be null. |
| static [String](http://docs.google.com/java/lang/String.html) | **SwingUtilities.**[**layoutCompoundLabel**](http://docs.google.com/javax/swing/SwingUtilities.html#layoutCompoundLabel(java.awt.FontMetrics,%20java.lang.String,%20javax.swing.Icon,%20int,%20int,%20int,%20int,%20java.awt.Rectangle,%20java.awt.Rectangle,%20java.awt.Rectangle,%20int))([FontMetrics](http://docs.google.com/java/awt/FontMetrics.html) fm, [String](http://docs.google.com/java/lang/String.html) text, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, int verticalAlignment, int horizontalAlignment, int verticalTextPosition, int horizontalTextPosition, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) viewR, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) iconR, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) textR, int textIconGap)            Compute and return the location of the icons origin, the location of origin of the text baseline, and a possibly clipped version of the compound labels string. |
| static [String](http://docs.google.com/java/lang/String.html) | **SwingUtilities.**[**layoutCompoundLabel**](http://docs.google.com/javax/swing/SwingUtilities.html#layoutCompoundLabel(javax.swing.JComponent,%20java.awt.FontMetrics,%20java.lang.String,%20javax.swing.Icon,%20int,%20int,%20int,%20int,%20java.awt.Rectangle,%20java.awt.Rectangle,%20java.awt.Rectangle,%20int))([JComponent](http://docs.google.com/javax/swing/JComponent.html) c, [FontMetrics](http://docs.google.com/java/awt/FontMetrics.html) fm, [String](http://docs.google.com/java/lang/String.html) text, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, int verticalAlignment, int horizontalAlignment, int verticalTextPosition, int horizontalTextPosition, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) viewR, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) iconR, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) textR, int textIconGap)            Compute and return the location of the icons origin, the location of origin of the text baseline, and a possibly clipped version of the compound labels string. |
| void | **JLabel.**[**setDisabledIcon**](http://docs.google.com/javax/swing/JLabel.html#setDisabledIcon(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) disabledIcon)            Set the icon to be displayed if this JLabel is "disabled" (JLabel.setEnabled(false)). |
| void | **AbstractButton.**[**setDisabledIcon**](http://docs.google.com/javax/swing/AbstractButton.html#setDisabledIcon(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) disabledIcon)            Sets the disabled icon for the button. |
| void | **JTabbedPane.**[**setDisabledIconAt**](http://docs.google.com/javax/swing/JTabbedPane.html#setDisabledIconAt(int,%20javax.swing.Icon))(int index, [Icon](http://docs.google.com/javax/swing/Icon.html) disabledIcon)            Sets the disabled icon at index to icon which can be null. |
| void | **AbstractButton.**[**setDisabledSelectedIcon**](http://docs.google.com/javax/swing/AbstractButton.html#setDisabledSelectedIcon(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) disabledSelectedIcon)            Sets the disabled selection icon for the button. |
| void | **JInternalFrame.**[**setFrameIcon**](http://docs.google.com/javax/swing/JInternalFrame.html#setFrameIcon(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Sets an image to be displayed in the titlebar of this internal frame (usually in the top-left corner). |
| void | **JOptionPane.**[**setIcon**](http://docs.google.com/javax/swing/JOptionPane.html#setIcon(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) newIcon)            Sets the icon to display. |
| void | **JLabel.**[**setIcon**](http://docs.google.com/javax/swing/JLabel.html#setIcon(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Defines the icon this component will display. |
| void | **AbstractButton.**[**setIcon**](http://docs.google.com/javax/swing/AbstractButton.html#setIcon(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) defaultIcon)            Sets the button's default icon. |
| void | **JTabbedPane.**[**setIconAt**](http://docs.google.com/javax/swing/JTabbedPane.html#setIconAt(int,%20javax.swing.Icon))(int index, [Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Sets the icon at index to icon which can be null. |
| void | **AbstractButton.**[**setPressedIcon**](http://docs.google.com/javax/swing/AbstractButton.html#setPressedIcon(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) pressedIcon)            Sets the pressed icon for the button. |
| void | **AbstractButton.**[**setRolloverIcon**](http://docs.google.com/javax/swing/AbstractButton.html#setRolloverIcon(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) rolloverIcon)            Sets the rollover icon for the button. |
| void | **AbstractButton.**[**setRolloverSelectedIcon**](http://docs.google.com/javax/swing/AbstractButton.html#setRolloverSelectedIcon(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) rolloverSelectedIcon)            Sets the rollover selected icon for the button. |
| void | **AbstractButton.**[**setSelectedIcon**](http://docs.google.com/javax/swing/AbstractButton.html#setSelectedIcon(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) selectedIcon)            Sets the selected icon for the button. |
| static int | **JOptionPane.**[**showConfirmDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showConfirmDialog(java.awt.Component,%20java.lang.Object,%20java.lang.String,%20int,%20int,%20javax.swing.Icon))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message, [String](http://docs.google.com/java/lang/String.html) title, int optionType, int messageType, [Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Brings up a dialog with a specified icon, where the number of choices is determined by the optionType parameter. |
| static [Object](http://docs.google.com/java/lang/Object.html) | **JOptionPane.**[**showInputDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showInputDialog(java.awt.Component,%20java.lang.Object,%20java.lang.String,%20int,%20javax.swing.Icon,%20java.lang.Object%5B%5D,%20java.lang.Object))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message, [String](http://docs.google.com/java/lang/String.html) title, int messageType, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, [Object](http://docs.google.com/java/lang/Object.html)[] selectionValues, [Object](http://docs.google.com/java/lang/Object.html) initialSelectionValue)            Prompts the user for input in a blocking dialog where the initial selection, possible selections, and all other options can be specified. |
| static int | **JOptionPane.**[**showInternalConfirmDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showInternalConfirmDialog(java.awt.Component,%20java.lang.Object,%20java.lang.String,%20int,%20int,%20javax.swing.Icon))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message, [String](http://docs.google.com/java/lang/String.html) title, int optionType, int messageType, [Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Brings up an internal dialog panel with a specified icon, where the number of choices is determined by the optionType parameter. |
| static [Object](http://docs.google.com/java/lang/Object.html) | **JOptionPane.**[**showInternalInputDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showInternalInputDialog(java.awt.Component,%20java.lang.Object,%20java.lang.String,%20int,%20javax.swing.Icon,%20java.lang.Object%5B%5D,%20java.lang.Object))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message, [String](http://docs.google.com/java/lang/String.html) title, int messageType, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, [Object](http://docs.google.com/java/lang/Object.html)[] selectionValues, [Object](http://docs.google.com/java/lang/Object.html) initialSelectionValue)            Prompts the user for input in a blocking internal dialog where the initial selection, possible selections, and all other options can be specified. |
| static void | **JOptionPane.**[**showInternalMessageDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showInternalMessageDialog(java.awt.Component,%20java.lang.Object,%20java.lang.String,%20int,%20javax.swing.Icon))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message, [String](http://docs.google.com/java/lang/String.html) title, int messageType, [Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Brings up an internal dialog panel displaying a message, specifying all parameters. |
| static int | **JOptionPane.**[**showInternalOptionDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showInternalOptionDialog(java.awt.Component,%20java.lang.Object,%20java.lang.String,%20int,%20int,%20javax.swing.Icon,%20java.lang.Object%5B%5D,%20java.lang.Object))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message, [String](http://docs.google.com/java/lang/String.html) title, int optionType, int messageType, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, [Object](http://docs.google.com/java/lang/Object.html)[] options, [Object](http://docs.google.com/java/lang/Object.html) initialValue)            Brings up an internal dialog panel with a specified icon, where the initial choice is determined by the initialValue parameter and the number of choices is determined by the optionType parameter. |
| static void | **JOptionPane.**[**showMessageDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showMessageDialog(java.awt.Component,%20java.lang.Object,%20java.lang.String,%20int,%20javax.swing.Icon))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message, [String](http://docs.google.com/java/lang/String.html) title, int messageType, [Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Brings up a dialog displaying a message, specifying all parameters. |
| static int | **JOptionPane.**[**showOptionDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showOptionDialog(java.awt.Component,%20java.lang.Object,%20java.lang.String,%20int,%20int,%20javax.swing.Icon,%20java.lang.Object%5B%5D,%20java.lang.Object))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message, [String](http://docs.google.com/java/lang/String.html) title, int optionType, int messageType, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, [Object](http://docs.google.com/java/lang/Object.html)[] options, [Object](http://docs.google.com/java/lang/Object.html) initialValue)            Brings up a dialog with a specified icon, where the initial choice is determined by the initialValue parameter and the number of choices is determined by the optionType parameter. |

| Constructors in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) with parameters of type [Icon](http://docs.google.com/javax/swing/Icon.html) | |
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| [**AbstractAction**](http://docs.google.com/javax/swing/AbstractAction.html#AbstractAction(java.lang.String,%20javax.swing.Icon))([String](http://docs.google.com/java/lang/String.html) name, [Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Defines an Action object with the specified description string and a the specified icon. |
| [**JButton**](http://docs.google.com/javax/swing/JButton.html#JButton(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Creates a button with an icon. |
| [**JButton**](http://docs.google.com/javax/swing/JButton.html#JButton(java.lang.String,%20javax.swing.Icon))([String](http://docs.google.com/java/lang/String.html) text, [Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Creates a button with initial text and an icon. |
| [**JCheckBox**](http://docs.google.com/javax/swing/JCheckBox.html#JCheckBox(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Creates an initially unselected check box with an icon. |
| [**JCheckBox**](http://docs.google.com/javax/swing/JCheckBox.html#JCheckBox(javax.swing.Icon,%20boolean))([Icon](http://docs.google.com/javax/swing/Icon.html) icon, boolean selected)            Creates a check box with an icon and specifies whether or not it is initially selected. |
| [**JCheckBox**](http://docs.google.com/javax/swing/JCheckBox.html#JCheckBox(java.lang.String,%20javax.swing.Icon))([String](http://docs.google.com/java/lang/String.html) text, [Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Creates an initially unselected check box with the specified text and icon. |
| [**JCheckBox**](http://docs.google.com/javax/swing/JCheckBox.html#JCheckBox(java.lang.String,%20javax.swing.Icon,%20boolean))([String](http://docs.google.com/java/lang/String.html) text, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, boolean selected)            Creates a check box with text and icon, and specifies whether or not it is initially selected. |
| [**JCheckBoxMenuItem**](http://docs.google.com/javax/swing/JCheckBoxMenuItem.html#JCheckBoxMenuItem(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Creates an initially unselected check box menu item with an icon. |
| [**JCheckBoxMenuItem**](http://docs.google.com/javax/swing/JCheckBoxMenuItem.html#JCheckBoxMenuItem(java.lang.String,%20javax.swing.Icon))([String](http://docs.google.com/java/lang/String.html) text, [Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Creates an initially unselected check box menu item with the specified text and icon. |
| [**JCheckBoxMenuItem**](http://docs.google.com/javax/swing/JCheckBoxMenuItem.html#JCheckBoxMenuItem(java.lang.String,%20javax.swing.Icon,%20boolean))([String](http://docs.google.com/java/lang/String.html) text, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, boolean b)            Creates a check box menu item with the specified text, icon, and selection state. |
| [**JLabel**](http://docs.google.com/javax/swing/JLabel.html#JLabel(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) image)            Creates a JLabel instance with the specified image. |
| [**JLabel**](http://docs.google.com/javax/swing/JLabel.html#JLabel(javax.swing.Icon,%20int))([Icon](http://docs.google.com/javax/swing/Icon.html) image, int horizontalAlignment)            Creates a JLabel instance with the specified image and horizontal alignment. |
| [**JLabel**](http://docs.google.com/javax/swing/JLabel.html#JLabel(java.lang.String,%20javax.swing.Icon,%20int))([String](http://docs.google.com/java/lang/String.html) text, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, int horizontalAlignment)            Creates a JLabel instance with the specified text, image, and horizontal alignment. |
| [**JMenuItem**](http://docs.google.com/javax/swing/JMenuItem.html#JMenuItem(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Creates a JMenuItem with the specified icon. |
| [**JMenuItem**](http://docs.google.com/javax/swing/JMenuItem.html#JMenuItem(java.lang.String,%20javax.swing.Icon))([String](http://docs.google.com/java/lang/String.html) text, [Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Creates a JMenuItem with the specified text and icon. |
| [**JOptionPane**](http://docs.google.com/javax/swing/JOptionPane.html#JOptionPane(java.lang.Object,%20int,%20int,%20javax.swing.Icon))([Object](http://docs.google.com/java/lang/Object.html) message, int messageType, int optionType, [Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Creates an instance of JOptionPane to display a message with the specified message type, options, and icon. |
| [**JOptionPane**](http://docs.google.com/javax/swing/JOptionPane.html#JOptionPane(java.lang.Object,%20int,%20int,%20javax.swing.Icon,%20java.lang.Object%5B%5D))([Object](http://docs.google.com/java/lang/Object.html) message, int messageType, int optionType, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, [Object](http://docs.google.com/java/lang/Object.html)[] options)            Creates an instance of JOptionPane to display a message with the specified message type, icon, and options. |
| [**JOptionPane**](http://docs.google.com/javax/swing/JOptionPane.html#JOptionPane(java.lang.Object,%20int,%20int,%20javax.swing.Icon,%20java.lang.Object%5B%5D,%20java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) message, int messageType, int optionType, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, [Object](http://docs.google.com/java/lang/Object.html)[] options, [Object](http://docs.google.com/java/lang/Object.html) initialValue)            Creates an instance of JOptionPane to display a message with the specified message type, icon, and options, with the initially-selected option specified. |
| [**JRadioButton**](http://docs.google.com/javax/swing/JRadioButton.html#JRadioButton(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Creates an initially unselected radio button with the specified image but no text. |
| [**JRadioButton**](http://docs.google.com/javax/swing/JRadioButton.html#JRadioButton(javax.swing.Icon,%20boolean))([Icon](http://docs.google.com/javax/swing/Icon.html) icon, boolean selected)            Creates a radio button with the specified image and selection state, but no text. |
| [**JRadioButton**](http://docs.google.com/javax/swing/JRadioButton.html#JRadioButton(java.lang.String,%20javax.swing.Icon))([String](http://docs.google.com/java/lang/String.html) text, [Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Creates a radio button that has the specified text and image, and that is initially unselected. |
| [**JRadioButton**](http://docs.google.com/javax/swing/JRadioButton.html#JRadioButton(java.lang.String,%20javax.swing.Icon,%20boolean))([String](http://docs.google.com/java/lang/String.html) text, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, boolean selected)            Creates a radio button that has the specified text, image, and selection state. |
| [**JRadioButtonMenuItem**](http://docs.google.com/javax/swing/JRadioButtonMenuItem.html#JRadioButtonMenuItem(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Creates a JRadioButtonMenuItem with an icon. |
| [**JRadioButtonMenuItem**](http://docs.google.com/javax/swing/JRadioButtonMenuItem.html#JRadioButtonMenuItem(javax.swing.Icon,%20boolean))([Icon](http://docs.google.com/javax/swing/Icon.html) icon, boolean selected)            Creates a radio button menu item with the specified image and selection state, but no text. |
| [**JRadioButtonMenuItem**](http://docs.google.com/javax/swing/JRadioButtonMenuItem.html#JRadioButtonMenuItem(java.lang.String,%20javax.swing.Icon))([String](http://docs.google.com/java/lang/String.html) text, [Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Creates a radio button menu item with the specified text and Icon. |
| [**JRadioButtonMenuItem**](http://docs.google.com/javax/swing/JRadioButtonMenuItem.html#JRadioButtonMenuItem(java.lang.String,%20javax.swing.Icon,%20boolean))([String](http://docs.google.com/java/lang/String.html) text, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, boolean selected)            Creates a radio button menu item that has the specified text, image, and selection state. |
| [**JToggleButton**](http://docs.google.com/javax/swing/JToggleButton.html#JToggleButton(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Creates an initially unselected toggle button with the specified image but no text. |
| [**JToggleButton**](http://docs.google.com/javax/swing/JToggleButton.html#JToggleButton(javax.swing.Icon,%20boolean))([Icon](http://docs.google.com/javax/swing/Icon.html) icon, boolean selected)            Creates a toggle button with the specified image and selection state, but no text. |
| [**JToggleButton**](http://docs.google.com/javax/swing/JToggleButton.html#JToggleButton(java.lang.String,%20javax.swing.Icon))([String](http://docs.google.com/java/lang/String.html) text, [Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Creates a toggle button that has the specified text and image, and that is initially unselected. |
| [**JToggleButton**](http://docs.google.com/javax/swing/JToggleButton.html#JToggleButton(java.lang.String,%20javax.swing.Icon,%20boolean))([String](http://docs.google.com/java/lang/String.html) text, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, boolean selected)            Creates a toggle button with the specified text, image, and selection state. |

| Uses of [Icon](http://docs.google.com/javax/swing/Icon.html) in [javax.swing.border](http://docs.google.com/javax/swing/border/package-summary.html) | |
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| Fields in [javax.swing.border](http://docs.google.com/javax/swing/border/package-summary.html) declared as [Icon](http://docs.google.com/javax/swing/Icon.html) | |
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| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **MatteBorder.**[**tileIcon**](http://docs.google.com/javax/swing/border/MatteBorder.html#tileIcon) |

| Methods in [javax.swing.border](http://docs.google.com/javax/swing/border/package-summary.html) that return [Icon](http://docs.google.com/javax/swing/Icon.html) | |
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| [Icon](http://docs.google.com/javax/swing/Icon.html) | **MatteBorder.**[**getTileIcon**](http://docs.google.com/javax/swing/border/MatteBorder.html#getTileIcon())()            Returns the icon used for tiling the border or null if a solid color is being used. |

| Constructors in [javax.swing.border](http://docs.google.com/javax/swing/border/package-summary.html) with parameters of type [Icon](http://docs.google.com/javax/swing/Icon.html) | |
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| [**MatteBorder**](http://docs.google.com/javax/swing/border/MatteBorder.html#MatteBorder(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) tileIcon)            Creates a matte border with the specified tile icon. |
| [**MatteBorder**](http://docs.google.com/javax/swing/border/MatteBorder.html#MatteBorder(java.awt.Insets,%20javax.swing.Icon))([Insets](http://docs.google.com/java/awt/Insets.html) borderInsets, [Icon](http://docs.google.com/javax/swing/Icon.html) tileIcon)            Creates a matte border with the specified insets and tile icon. |
| [**MatteBorder**](http://docs.google.com/javax/swing/border/MatteBorder.html#MatteBorder(int,%20int,%20int,%20int,%20javax.swing.Icon))(int top, int left, int bottom, int right, [Icon](http://docs.google.com/javax/swing/Icon.html) tileIcon)            Creates a matte border with the specified insets and tile icon. |

| Uses of [Icon](http://docs.google.com/javax/swing/Icon.html) in [javax.swing.colorchooser](http://docs.google.com/javax/swing/colorchooser/package-summary.html) | |
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| Methods in [javax.swing.colorchooser](http://docs.google.com/javax/swing/colorchooser/package-summary.html) that return [Icon](http://docs.google.com/javax/swing/Icon.html) | |
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| abstract  [Icon](http://docs.google.com/javax/swing/Icon.html) | **AbstractColorChooserPanel.**[**getLargeDisplayIcon**](http://docs.google.com/javax/swing/colorchooser/AbstractColorChooserPanel.html#getLargeDisplayIcon())()            Returns the large display icon for the panel. |
| abstract  [Icon](http://docs.google.com/javax/swing/Icon.html) | **AbstractColorChooserPanel.**[**getSmallDisplayIcon**](http://docs.google.com/javax/swing/colorchooser/AbstractColorChooserPanel.html#getSmallDisplayIcon())()            Returns the small display icon for the panel. |

| Uses of [Icon](http://docs.google.com/javax/swing/Icon.html) in [javax.swing.filechooser](http://docs.google.com/javax/swing/filechooser/package-summary.html) | |
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| Methods in [javax.swing.filechooser](http://docs.google.com/javax/swing/filechooser/package-summary.html) that return [Icon](http://docs.google.com/javax/swing/Icon.html) | |
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| [Icon](http://docs.google.com/javax/swing/Icon.html) | **FileView.**[**getIcon**](http://docs.google.com/javax/swing/filechooser/FileView.html#getIcon(java.io.File))([File](http://docs.google.com/java/io/File.html) f)            The icon that represents this file in the JFileChooser. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **FileSystemView.**[**getSystemIcon**](http://docs.google.com/javax/swing/filechooser/FileSystemView.html#getSystemIcon(java.io.File))([File](http://docs.google.com/java/io/File.html) f)            Icon for a file, directory, or folder as it would be displayed in a system file browser. |

| Uses of [Icon](http://docs.google.com/javax/swing/Icon.html) in [javax.swing.plaf](http://docs.google.com/javax/swing/plaf/package-summary.html) | |
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| Classes in [javax.swing.plaf](http://docs.google.com/javax/swing/plaf/package-summary.html) that implement [Icon](http://docs.google.com/javax/swing/Icon.html) | |
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| class | [**IconUIResource**](http://docs.google.com/javax/swing/plaf/IconUIResource.html)            An Icon wrapper class which implements UIResource. |

| Constructors in [javax.swing.plaf](http://docs.google.com/javax/swing/plaf/package-summary.html) with parameters of type [Icon](http://docs.google.com/javax/swing/Icon.html) | |
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| [**BorderUIResource.MatteBorderUIResource**](http://docs.google.com/javax/swing/plaf/BorderUIResource.MatteBorderUIResource.html#BorderUIResource.MatteBorderUIResource(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) tileIcon) |
| [**BorderUIResource.MatteBorderUIResource**](http://docs.google.com/javax/swing/plaf/BorderUIResource.MatteBorderUIResource.html#BorderUIResource.MatteBorderUIResource(int,%20int,%20int,%20int,%20javax.swing.Icon))(int top, int left, int bottom, int right, [Icon](http://docs.google.com/javax/swing/Icon.html) tileIcon) |
| [**IconUIResource**](http://docs.google.com/javax/swing/plaf/IconUIResource.html#IconUIResource(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) delegate)            Creates a UIResource icon object which wraps an existing Icon instance. |

| Uses of [Icon](http://docs.google.com/javax/swing/Icon.html) in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) | |
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| Fields in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) declared as [Icon](http://docs.google.com/javax/swing/Icon.html) | |
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| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicMenuItemUI.**[**arrowIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#arrowIcon) |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicMenuItemUI.**[**checkIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#checkIcon) |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicInternalFrameTitlePane.**[**closeIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameTitlePane.html#closeIcon) |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicTreeUI.**[**collapsedIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#collapsedIcon) |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicFileChooserUI.**[**computerIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicFileChooserUI.html#computerIcon) |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicFileChooserUI.**[**detailsViewIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicFileChooserUI.html#detailsViewIcon) |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicFileChooserUI.**[**directoryIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicFileChooserUI.html#directoryIcon) |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicTreeUI.**[**expandedIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#expandedIcon) |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicFileChooserUI.**[**fileIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicFileChooserUI.html#fileIcon) |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicFileChooserUI.**[**floppyDriveIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicFileChooserUI.html#floppyDriveIcon) |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicFileChooserUI.**[**hardDriveIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicFileChooserUI.html#hardDriveIcon) |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicFileChooserUI.**[**homeFolderIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicFileChooserUI.html#homeFolderIcon) |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicRadioButtonUI.**[**icon**](http://docs.google.com/javax/swing/plaf/basic/BasicRadioButtonUI.html#icon) |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicInternalFrameTitlePane.**[**iconIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameTitlePane.html#iconIcon) |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicFileChooserUI.**[**listViewIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicFileChooserUI.html#listViewIcon) |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicInternalFrameTitlePane.**[**maxIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameTitlePane.html#maxIcon) |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicInternalFrameTitlePane.**[**minIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameTitlePane.html#minIcon) |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicFileChooserUI.**[**newFolderIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicFileChooserUI.html#newFolderIcon) |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicFileChooserUI.**[**upFolderIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicFileChooserUI.html#upFolderIcon) |

| Fields in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) with type parameters of type [Icon](http://docs.google.com/javax/swing/Icon.html) | |
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| protected  [Hashtable](http://docs.google.com/java/util/Hashtable.html)<[File](http://docs.google.com/java/io/File.html),[Icon](http://docs.google.com/javax/swing/Icon.html)> | **BasicFileChooserUI.BasicFileView.**[**iconCache**](http://docs.google.com/javax/swing/plaf/basic/BasicFileChooserUI.BasicFileView.html#iconCache) |

| Methods in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) that return [Icon](http://docs.google.com/javax/swing/Icon.html) | |
| --- | --- |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicIconFactory.**[**createEmptyFrameIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicIconFactory.html#createEmptyFrameIcon())() |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicFileChooserUI.BasicFileView.**[**getCachedIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicFileChooserUI.BasicFileView.html#getCachedIcon(java.io.File))([File](http://docs.google.com/java/io/File.html) f) |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicIconFactory.**[**getCheckBoxIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicIconFactory.html#getCheckBoxIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicIconFactory.**[**getCheckBoxMenuItemIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicIconFactory.html#getCheckBoxMenuItemIcon())() |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicTreeUI.**[**getCollapsedIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#getCollapsedIcon())() |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicRadioButtonUI.**[**getDefaultIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicRadioButtonUI.html#getDefaultIcon())() |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicTreeUI.**[**getExpandedIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#getExpandedIcon())() |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicOptionPaneUI.**[**getIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicOptionPaneUI.html#getIcon())()            Returns the icon from the JOptionPane the receiver is providing the look and feel for, or the default icon as returned from getDefaultIcon. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicFileChooserUI.BasicFileView.**[**getIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicFileChooserUI.BasicFileView.html#getIcon(java.io.File))([File](http://docs.google.com/java/io/File.html) f) |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicTabbedPaneUI.**[**getIconForTab**](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getIconForTab(int))(int tabIndex) |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicOptionPaneUI.**[**getIconForType**](http://docs.google.com/javax/swing/plaf/basic/BasicOptionPaneUI.html#getIconForType(int))(int messageType)            Returns the icon to use for the passed in type. |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicIconFactory.**[**getMenuArrowIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicIconFactory.html#getMenuArrowIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicIconFactory.**[**getMenuItemArrowIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicIconFactory.html#getMenuItemArrowIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicIconFactory.**[**getMenuItemCheckIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicIconFactory.html#getMenuItemCheckIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicIconFactory.**[**getRadioButtonIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicIconFactory.html#getRadioButtonIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **BasicIconFactory.**[**getRadioButtonMenuItemIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicIconFactory.html#getRadioButtonMenuItemIcon())() |

| Methods in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) with parameters of type [Icon](http://docs.google.com/javax/swing/Icon.html) | |
| --- | --- |
| void | **BasicFileChooserUI.BasicFileView.**[**cacheIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicFileChooserUI.BasicFileView.html#cacheIcon(java.io.File,%20javax.swing.Icon))([File](http://docs.google.com/java/io/File.html) f, [Icon](http://docs.google.com/javax/swing/Icon.html) i) |
| protected  void | **BasicTreeUI.**[**drawCentered**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#drawCentered(java.awt.Component,%20java.awt.Graphics,%20javax.swing.Icon,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) graphics, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, int x, int y) |
| protected  [Dimension](http://docs.google.com/java/awt/Dimension.html) | **BasicMenuItemUI.**[**getPreferredMenuItemSize**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#getPreferredMenuItemSize(javax.swing.JComponent,%20javax.swing.Icon,%20javax.swing.Icon,%20int))([JComponent](http://docs.google.com/javax/swing/JComponent.html) c, [Icon](http://docs.google.com/javax/swing/Icon.html) checkIcon, [Icon](http://docs.google.com/javax/swing/Icon.html) arrowIcon, int defaultTextIconGap) |
| protected  [String](http://docs.google.com/java/lang/String.html) | **BasicLabelUI.**[**layoutCL**](http://docs.google.com/javax/swing/plaf/basic/BasicLabelUI.html#layoutCL(javax.swing.JLabel,%20java.awt.FontMetrics,%20java.lang.String,%20javax.swing.Icon,%20java.awt.Rectangle,%20java.awt.Rectangle,%20java.awt.Rectangle))([JLabel](http://docs.google.com/javax/swing/JLabel.html) label, [FontMetrics](http://docs.google.com/java/awt/FontMetrics.html) fontMetrics, [String](http://docs.google.com/java/lang/String.html) text, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) viewR, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) iconR, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) textR)            Forwards the call to SwingUtilities.layoutCompoundLabel(). |
| protected  void | **BasicTabbedPaneUI.**[**layoutLabel**](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#layoutLabel(int,%20java.awt.FontMetrics,%20int,%20java.lang.String,%20javax.swing.Icon,%20java.awt.Rectangle,%20java.awt.Rectangle,%20java.awt.Rectangle,%20boolean))(int tabPlacement, [FontMetrics](http://docs.google.com/java/awt/FontMetrics.html) metrics, int tabIndex, [String](http://docs.google.com/java/lang/String.html) title, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) tabRect, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) iconRect, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) textRect, boolean isSelected) |
| protected  void | **BasicTabbedPaneUI.**[**paintIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#paintIcon(java.awt.Graphics,%20int,%20int,%20javax.swing.Icon,%20java.awt.Rectangle,%20boolean))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, int tabPlacement, int tabIndex, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) iconRect, boolean isSelected) |
| protected  void | **BasicMenuItemUI.**[**paintMenuItem**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#paintMenuItem(java.awt.Graphics,%20javax.swing.JComponent,%20javax.swing.Icon,%20javax.swing.Icon,%20java.awt.Color,%20java.awt.Color,%20int))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, [JComponent](http://docs.google.com/javax/swing/JComponent.html) c, [Icon](http://docs.google.com/javax/swing/Icon.html) checkIcon, [Icon](http://docs.google.com/javax/swing/Icon.html) arrowIcon, [Color](http://docs.google.com/java/awt/Color.html) background, [Color](http://docs.google.com/java/awt/Color.html) foreground, int defaultTextIconGap) |
| void | **BasicTreeUI.**[**setCollapsedIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#setCollapsedIcon(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) newG) |
| void | **BasicTreeUI.**[**setExpandedIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#setExpandedIcon(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) newG) |

| Uses of [Icon](http://docs.google.com/javax/swing/Icon.html) in [javax.swing.plaf.metal](http://docs.google.com/javax/swing/plaf/metal/package-summary.html) | |
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| Classes in [javax.swing.plaf.metal](http://docs.google.com/javax/swing/plaf/metal/package-summary.html) that implement [Icon](http://docs.google.com/javax/swing/Icon.html) | |
| --- | --- |
| class | [**MetalCheckBoxIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalCheckBoxIcon.html)            CheckboxIcon implementation for OrganicCheckBoxUI |
| class | [**MetalComboBoxIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalComboBoxIcon.html)            This utility class draws the horizontal bars which indicate a MetalComboBox |
| static class | [**MetalIconFactory.FileIcon16**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.FileIcon16.html)  **Warning:** Serialized objects of this class will not be compatible with future Swing releases. |
| static class | [**MetalIconFactory.FolderIcon16**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.FolderIcon16.html)  **Warning:** Serialized objects of this class will not be compatible with future Swing releases. |
| static class | [**MetalIconFactory.PaletteCloseIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.PaletteCloseIcon.html)            Defines an icon for Palette close |
| static class | [**MetalIconFactory.TreeControlIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.TreeControlIcon.html)  **Warning:** Serialized objects of this class will not be compatible with future Swing releases. |
| static class | [**MetalIconFactory.TreeFolderIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.TreeFolderIcon.html)  **Warning:** Serialized objects of this class will not be compatible with future Swing releases. |
| static class | [**MetalIconFactory.TreeLeafIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.TreeLeafIcon.html) |

| Fields in [javax.swing.plaf.metal](http://docs.google.com/javax/swing/plaf/metal/package-summary.html) declared as [Icon](http://docs.google.com/javax/swing/Icon.html) | |
| --- | --- |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalComboBoxButton.**[**comboIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalComboBoxButton.html#comboIcon) |
| protected static [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalSliderUI.**[**horizThumbIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalSliderUI.html#horizThumbIcon)            A default horizontal thumb Icon. |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalInternalFrameTitlePane.**[**paletteCloseIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalInternalFrameTitlePane.html#paletteCloseIcon) |
| protected static [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalSliderUI.**[**vertThumbIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalSliderUI.html#vertThumbIcon)            A default vertical thumb Icon. |

| Methods in [javax.swing.plaf.metal](http://docs.google.com/javax/swing/plaf/metal/package-summary.html) that return [Icon](http://docs.google.com/javax/swing/Icon.html) | |
| --- | --- |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalIconFactory.**[**getCheckBoxIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getCheckBoxIcon())()            Returns a checkbox icon. |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalIconFactory.**[**getCheckBoxMenuItemIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getCheckBoxMenuItemIcon())() |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalComboBoxButton.**[**getComboIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalComboBoxButton.html#getComboIcon())() |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalLookAndFeel.**[**getDisabledIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalLookAndFeel.html#getDisabledIcon(javax.swing.JComponent,%20javax.swing.Icon))([JComponent](http://docs.google.com/javax/swing/JComponent.html) component, [Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Returns an Icon with a disabled appearance. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalLookAndFeel.**[**getDisabledSelectedIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalLookAndFeel.html#getDisabledSelectedIcon(javax.swing.JComponent,%20javax.swing.Icon))([JComponent](http://docs.google.com/javax/swing/JComponent.html) component, [Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Returns an Icon for use by disabled components that are also selected. |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalIconFactory.**[**getFileChooserDetailViewIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getFileChooserDetailViewIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalIconFactory.**[**getFileChooserHomeFolderIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getFileChooserHomeFolderIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalIconFactory.**[**getFileChooserListViewIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getFileChooserListViewIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalIconFactory.**[**getFileChooserNewFolderIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getFileChooserNewFolderIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalIconFactory.**[**getFileChooserUpFolderIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getFileChooserUpFolderIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalIconFactory.**[**getHorizontalSliderThumbIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getHorizontalSliderThumbIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalIconFactory.**[**getInternalFrameAltMaximizeIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getInternalFrameAltMaximizeIcon(int))(int size) |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalIconFactory.**[**getInternalFrameCloseIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getInternalFrameCloseIcon(int))(int size) |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalIconFactory.**[**getInternalFrameDefaultMenuIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getInternalFrameDefaultMenuIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalIconFactory.**[**getInternalFrameMaximizeIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getInternalFrameMaximizeIcon(int))(int size) |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalIconFactory.**[**getInternalFrameMinimizeIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getInternalFrameMinimizeIcon(int))(int size) |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalIconFactory.**[**getMenuArrowIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getMenuArrowIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalIconFactory.**[**getMenuItemArrowIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getMenuItemArrowIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalIconFactory.**[**getMenuItemCheckIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getMenuItemCheckIcon())()            Returns an icon to be used by JCheckBoxMenuItem. |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalIconFactory.**[**getRadioButtonIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getRadioButtonIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalIconFactory.**[**getRadioButtonMenuItemIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getRadioButtonMenuItemIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalIconFactory.**[**getTreeComputerIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getTreeComputerIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalIconFactory.**[**getTreeControlIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getTreeControlIcon(boolean))(boolean isCollapsed) |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalIconFactory.**[**getTreeFloppyDriveIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getTreeFloppyDriveIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalIconFactory.**[**getTreeFolderIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getTreeFolderIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalIconFactory.**[**getTreeHardDriveIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getTreeHardDriveIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalIconFactory.**[**getTreeLeafIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getTreeLeafIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalIconFactory.**[**getVerticalSliderThumbIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getVerticalSliderThumbIcon())() |

| Methods in [javax.swing.plaf.metal](http://docs.google.com/javax/swing/plaf/metal/package-summary.html) with parameters of type [Icon](http://docs.google.com/javax/swing/Icon.html) | |
| --- | --- |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalLookAndFeel.**[**getDisabledIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalLookAndFeel.html#getDisabledIcon(javax.swing.JComponent,%20javax.swing.Icon))([JComponent](http://docs.google.com/javax/swing/JComponent.html) component, [Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Returns an Icon with a disabled appearance. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **MetalLookAndFeel.**[**getDisabledSelectedIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalLookAndFeel.html#getDisabledSelectedIcon(javax.swing.JComponent,%20javax.swing.Icon))([JComponent](http://docs.google.com/javax/swing/JComponent.html) component, [Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Returns an Icon for use by disabled components that are also selected. |
| void | **MetalComboBoxButton.**[**setComboIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalComboBoxButton.html#setComboIcon(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) i) |

| Constructors in [javax.swing.plaf.metal](http://docs.google.com/javax/swing/plaf/metal/package-summary.html) with parameters of type [Icon](http://docs.google.com/javax/swing/Icon.html) | |
| --- | --- |
| [**MetalComboBoxButton**](http://docs.google.com/javax/swing/plaf/metal/MetalComboBoxButton.html#MetalComboBoxButton(javax.swing.JComboBox,%20javax.swing.Icon,%20boolean,%20javax.swing.CellRendererPane,%20javax.swing.JList))([JComboBox](http://docs.google.com/javax/swing/JComboBox.html) cb, [Icon](http://docs.google.com/javax/swing/Icon.html) i, boolean onlyIcon, [CellRendererPane](http://docs.google.com/javax/swing/CellRendererPane.html) pane, [JList](http://docs.google.com/javax/swing/JList.html) list) |
| [**MetalComboBoxButton**](http://docs.google.com/javax/swing/plaf/metal/MetalComboBoxButton.html#MetalComboBoxButton(javax.swing.JComboBox,%20javax.swing.Icon,%20javax.swing.CellRendererPane,%20javax.swing.JList))([JComboBox](http://docs.google.com/javax/swing/JComboBox.html) cb, [Icon](http://docs.google.com/javax/swing/Icon.html) i, [CellRendererPane](http://docs.google.com/javax/swing/CellRendererPane.html) pane, [JList](http://docs.google.com/javax/swing/JList.html) list) |

| Uses of [Icon](http://docs.google.com/javax/swing/Icon.html) in [javax.swing.plaf.synth](http://docs.google.com/javax/swing/plaf/synth/package-summary.html) | |
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| Methods in [javax.swing.plaf.synth](http://docs.google.com/javax/swing/plaf/synth/package-summary.html) that return [Icon](http://docs.google.com/javax/swing/Icon.html) | |
| --- | --- |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **SynthStyle.**[**getIcon**](http://docs.google.com/javax/swing/plaf/synth/SynthStyle.html#getIcon(javax.swing.plaf.synth.SynthContext,%20java.lang.Object))([SynthContext](http://docs.google.com/javax/swing/plaf/synth/SynthContext.html) context, [Object](http://docs.google.com/java/lang/Object.html) key)            Convenience method to get a specific style property whose value is an Icon. |

| Methods in [javax.swing.plaf.synth](http://docs.google.com/javax/swing/plaf/synth/package-summary.html) with parameters of type [Icon](http://docs.google.com/javax/swing/Icon.html) | |
| --- | --- |
| [Dimension](http://docs.google.com/java/awt/Dimension.html) | **SynthGraphicsUtils.**[**getMaximumSize**](http://docs.google.com/javax/swing/plaf/synth/SynthGraphicsUtils.html#getMaximumSize(javax.swing.plaf.synth.SynthContext,%20java.awt.Font,%20java.lang.String,%20javax.swing.Icon,%20int,%20int,%20int,%20int,%20int,%20int))([SynthContext](http://docs.google.com/javax/swing/plaf/synth/SynthContext.html) ss, [Font](http://docs.google.com/java/awt/Font.html) font, [String](http://docs.google.com/java/lang/String.html) text, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, int hAlign, int vAlign, int hTextPosition, int vTextPosition, int iconTextGap, int mnemonicIndex)            Returns the maximum size needed to properly render an icon and text. |
| [Dimension](http://docs.google.com/java/awt/Dimension.html) | **SynthGraphicsUtils.**[**getMinimumSize**](http://docs.google.com/javax/swing/plaf/synth/SynthGraphicsUtils.html#getMinimumSize(javax.swing.plaf.synth.SynthContext,%20java.awt.Font,%20java.lang.String,%20javax.swing.Icon,%20int,%20int,%20int,%20int,%20int,%20int))([SynthContext](http://docs.google.com/javax/swing/plaf/synth/SynthContext.html) ss, [Font](http://docs.google.com/java/awt/Font.html) font, [String](http://docs.google.com/java/lang/String.html) text, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, int hAlign, int vAlign, int hTextPosition, int vTextPosition, int iconTextGap, int mnemonicIndex)            Returns the minimum size needed to properly render an icon and text. |
| [Dimension](http://docs.google.com/java/awt/Dimension.html) | **SynthGraphicsUtils.**[**getPreferredSize**](http://docs.google.com/javax/swing/plaf/synth/SynthGraphicsUtils.html#getPreferredSize(javax.swing.plaf.synth.SynthContext,%20java.awt.Font,%20java.lang.String,%20javax.swing.Icon,%20int,%20int,%20int,%20int,%20int,%20int))([SynthContext](http://docs.google.com/javax/swing/plaf/synth/SynthContext.html) ss, [Font](http://docs.google.com/java/awt/Font.html) font, [String](http://docs.google.com/java/lang/String.html) text, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, int hAlign, int vAlign, int hTextPosition, int vTextPosition, int iconTextGap, int mnemonicIndex)            Returns the preferred size needed to properly render an icon and text. |
| [String](http://docs.google.com/java/lang/String.html) | **SynthGraphicsUtils.**[**layoutText**](http://docs.google.com/javax/swing/plaf/synth/SynthGraphicsUtils.html#layoutText(javax.swing.plaf.synth.SynthContext,%20java.awt.FontMetrics,%20java.lang.String,%20javax.swing.Icon,%20int,%20int,%20int,%20int,%20java.awt.Rectangle,%20java.awt.Rectangle,%20java.awt.Rectangle,%20int))([SynthContext](http://docs.google.com/javax/swing/plaf/synth/SynthContext.html) ss, [FontMetrics](http://docs.google.com/java/awt/FontMetrics.html) fm, [String](http://docs.google.com/java/lang/String.html) text, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, int hAlign, int vAlign, int hTextPosition, int vTextPosition, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) viewR, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) iconR, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) textR, int iconTextGap)            Lays out text and an icon returning, by reference, the location to place the icon and text. |
| void | **SynthGraphicsUtils.**[**paintText**](http://docs.google.com/javax/swing/plaf/synth/SynthGraphicsUtils.html#paintText(javax.swing.plaf.synth.SynthContext,%20java.awt.Graphics,%20java.lang.String,%20javax.swing.Icon,%20int,%20int,%20int,%20int,%20int,%20int,%20int))([SynthContext](http://docs.google.com/javax/swing/plaf/synth/SynthContext.html) ss, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, [String](http://docs.google.com/java/lang/String.html) text, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, int hAlign, int vAlign, int hTextPosition, int vTextPosition, int iconTextGap, int mnemonicIndex, int textOffset)            Paints an icon and text. |

| Uses of [Icon](http://docs.google.com/javax/swing/Icon.html) in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) | |
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| Methods in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) that return [Icon](http://docs.google.com/javax/swing/Icon.html) | |
| --- | --- |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | **StyleConstants.**[**getIcon**](http://docs.google.com/javax/swing/text/StyleConstants.html#getIcon(javax.swing.text.AttributeSet))([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) a)            Gets the icon setting from the attribute list. |

| Methods in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) with parameters of type [Icon](http://docs.google.com/javax/swing/Icon.html) | |
| --- | --- |
| static void | **StyleConstants.**[**setIcon**](http://docs.google.com/javax/swing/text/StyleConstants.html#setIcon(javax.swing.text.MutableAttributeSet,%20javax.swing.Icon))([MutableAttributeSet](http://docs.google.com/javax/swing/text/MutableAttributeSet.html) a, [Icon](http://docs.google.com/javax/swing/Icon.html) c)            Sets the icon attribute. |

| Uses of [Icon](http://docs.google.com/javax/swing/Icon.html) in [javax.swing.text.html](http://docs.google.com/javax/swing/text/html/package-summary.html) | |
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| Methods in [javax.swing.text.html](http://docs.google.com/javax/swing/text/html/package-summary.html) that return [Icon](http://docs.google.com/javax/swing/Icon.html) | |
| --- | --- |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **ImageView.**[**getLoadingImageIcon**](http://docs.google.com/javax/swing/text/html/ImageView.html#getLoadingImageIcon())()            Returns the icon to use while in the process of loading the image. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **ImageView.**[**getNoImageIcon**](http://docs.google.com/javax/swing/text/html/ImageView.html#getNoImageIcon())()            Returns the icon to use if the image couldn't be found. |

| Uses of [Icon](http://docs.google.com/javax/swing/Icon.html) in [javax.swing.tree](http://docs.google.com/javax/swing/tree/package-summary.html) | |
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| Fields in [javax.swing.tree](http://docs.google.com/javax/swing/tree/package-summary.html) declared as [Icon](http://docs.google.com/javax/swing/Icon.html) | |
| --- | --- |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **DefaultTreeCellRenderer.**[**closedIcon**](http://docs.google.com/javax/swing/tree/DefaultTreeCellRenderer.html#closedIcon)            Icon used to show non-leaf nodes that aren't expanded. |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **DefaultTreeCellEditor.**[**editingIcon**](http://docs.google.com/javax/swing/tree/DefaultTreeCellEditor.html#editingIcon)            Icon to use when editing. |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **DefaultTreeCellRenderer.**[**leafIcon**](http://docs.google.com/javax/swing/tree/DefaultTreeCellRenderer.html#leafIcon)            Icon used to show leaf nodes. |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | **DefaultTreeCellRenderer.**[**openIcon**](http://docs.google.com/javax/swing/tree/DefaultTreeCellRenderer.html#openIcon)            Icon used to show non-leaf nodes that are expanded. |

| Methods in [javax.swing.tree](http://docs.google.com/javax/swing/tree/package-summary.html) that return [Icon](http://docs.google.com/javax/swing/Icon.html) | |
| --- | --- |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **DefaultTreeCellRenderer.**[**getClosedIcon**](http://docs.google.com/javax/swing/tree/DefaultTreeCellRenderer.html#getClosedIcon())()            Returns the icon used to represent non-leaf nodes that are not expanded. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **DefaultTreeCellRenderer.**[**getDefaultClosedIcon**](http://docs.google.com/javax/swing/tree/DefaultTreeCellRenderer.html#getDefaultClosedIcon())()            Returns the default icon, for the current laf, that is used to represent non-leaf nodes that are not expanded. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **DefaultTreeCellRenderer.**[**getDefaultLeafIcon**](http://docs.google.com/javax/swing/tree/DefaultTreeCellRenderer.html#getDefaultLeafIcon())()            Returns the default icon, for the current laf, that is used to represent leaf nodes. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **DefaultTreeCellRenderer.**[**getDefaultOpenIcon**](http://docs.google.com/javax/swing/tree/DefaultTreeCellRenderer.html#getDefaultOpenIcon())()            Returns the default icon, for the current laf, that is used to represent non-leaf nodes that are expanded. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **DefaultTreeCellRenderer.**[**getLeafIcon**](http://docs.google.com/javax/swing/tree/DefaultTreeCellRenderer.html#getLeafIcon())()            Returns the icon used to represent leaf nodes. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **DefaultTreeCellRenderer.**[**getOpenIcon**](http://docs.google.com/javax/swing/tree/DefaultTreeCellRenderer.html#getOpenIcon())()            Returns the icon used to represent non-leaf nodes that are expanded. |

| Methods in [javax.swing.tree](http://docs.google.com/javax/swing/tree/package-summary.html) with parameters of type [Icon](http://docs.google.com/javax/swing/Icon.html) | |
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| void | **DefaultTreeCellRenderer.**[**setClosedIcon**](http://docs.google.com/javax/swing/tree/DefaultTreeCellRenderer.html#setClosedIcon(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) newIcon)            Sets the icon used to represent non-leaf nodes that are not expanded. |
| void | **DefaultTreeCellRenderer.**[**setLeafIcon**](http://docs.google.com/javax/swing/tree/DefaultTreeCellRenderer.html#setLeafIcon(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) newIcon)            Sets the icon used to represent leaf nodes. |
| void | **DefaultTreeCellRenderer.**[**setOpenIcon**](http://docs.google.com/javax/swing/tree/DefaultTreeCellRenderer.html#setOpenIcon(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) newIcon)            Sets the icon used to represent non-leaf nodes that are expanded. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/swing/Icon.html) | **Use** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?javax/swing//class-useIcon.html)    [**NO FRAMES**](http://docs.google.com/Icon.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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