| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | Class | Use | **Tree** | [**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**](http://docs.google.com/java/applet/package-tree.html)   [**NEXT**](http://docs.google.com/java/awt/color/package-tree.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/package-tree.html)    [**NO FRAMES**](http://docs.google.com/package-tree.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

Hierarchy For Package java.awt

**Package Hierarchies:**[All Packages](http://docs.google.com/overview-tree.html)

## Class Hierarchy

* java.lang.[**Object**](http://docs.google.com/java/lang/Object.html)
  + javax.accessibility.[**AccessibleContext**](http://docs.google.com/javax/accessibility/AccessibleContext.html)
    - java.awt.[**Component.AccessibleAWTComponent**](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html) (implements javax.accessibility.[AccessibleComponent](http://docs.google.com/javax/accessibility/AccessibleComponent.html), java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
      * java.awt.[**Button.AccessibleAWTButton**](http://docs.google.com/java/awt/Button.AccessibleAWTButton.html) (implements javax.accessibility.[AccessibleAction](http://docs.google.com/javax/accessibility/AccessibleAction.html), javax.accessibility.[AccessibleValue](http://docs.google.com/javax/accessibility/AccessibleValue.html))
      * java.awt.[**Canvas.AccessibleAWTCanvas**](http://docs.google.com/java/awt/Canvas.AccessibleAWTCanvas.html)
      * java.awt.[**Checkbox.AccessibleAWTCheckbox**](http://docs.google.com/java/awt/Checkbox.AccessibleAWTCheckbox.html) (implements javax.accessibility.[AccessibleAction](http://docs.google.com/javax/accessibility/AccessibleAction.html), javax.accessibility.[AccessibleValue](http://docs.google.com/javax/accessibility/AccessibleValue.html), java.awt.event.[ItemListener](http://docs.google.com/java/awt/event/ItemListener.html))
      * java.awt.[**Choice.AccessibleAWTChoice**](http://docs.google.com/java/awt/Choice.AccessibleAWTChoice.html) (implements javax.accessibility.[AccessibleAction](http://docs.google.com/javax/accessibility/AccessibleAction.html))
      * java.awt.[**Container.AccessibleAWTContainer**](http://docs.google.com/java/awt/Container.AccessibleAWTContainer.html)
        + java.awt.[**Panel.AccessibleAWTPanel**](http://docs.google.com/java/awt/Panel.AccessibleAWTPanel.html)
        + java.awt.[**ScrollPane.AccessibleAWTScrollPane**](http://docs.google.com/java/awt/ScrollPane.AccessibleAWTScrollPane.html)
        + java.awt.[**Window.AccessibleAWTWindow**](http://docs.google.com/java/awt/Window.AccessibleAWTWindow.html)

java.awt.[**Dialog.AccessibleAWTDialog**](http://docs.google.com/java/awt/Dialog.AccessibleAWTDialog.html)

java.awt.[**Frame.AccessibleAWTFrame**](http://docs.google.com/java/awt/Frame.AccessibleAWTFrame.html)

* + - * java.awt.[**Label.AccessibleAWTLabel**](http://docs.google.com/java/awt/Label.AccessibleAWTLabel.html)
      * java.awt.[**List.AccessibleAWTList**](http://docs.google.com/java/awt/List.AccessibleAWTList.html) (implements javax.accessibility.[AccessibleSelection](http://docs.google.com/javax/accessibility/AccessibleSelection.html), java.awt.event.[ActionListener](http://docs.google.com/java/awt/event/ActionListener.html), java.awt.event.[ItemListener](http://docs.google.com/java/awt/event/ItemListener.html))
      * java.awt.[**List.AccessibleAWTList.AccessibleAWTListChild**](http://docs.google.com/java/awt/List.AccessibleAWTList.AccessibleAWTListChild.html) (implements javax.accessibility.[Accessible](http://docs.google.com/javax/accessibility/Accessible.html))
      * java.awt.[**Scrollbar.AccessibleAWTScrollBar**](http://docs.google.com/java/awt/Scrollbar.AccessibleAWTScrollBar.html) (implements javax.accessibility.[AccessibleValue](http://docs.google.com/javax/accessibility/AccessibleValue.html))
      * java.awt.[**TextComponent.AccessibleAWTTextComponent**](http://docs.google.com/java/awt/TextComponent.AccessibleAWTTextComponent.html) (implements javax.accessibility.[AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html), java.awt.event.[TextListener](http://docs.google.com/java/awt/event/TextListener.html))
        + java.awt.[**TextArea.AccessibleAWTTextArea**](http://docs.google.com/java/awt/TextArea.AccessibleAWTTextArea.html)
        + java.awt.[**TextField.AccessibleAWTTextField**](http://docs.google.com/java/awt/TextField.AccessibleAWTTextField.html)
    - java.awt.[**MenuComponent.AccessibleAWTMenuComponent**](http://docs.google.com/java/awt/MenuComponent.AccessibleAWTMenuComponent.html) (implements javax.accessibility.[AccessibleComponent](http://docs.google.com/javax/accessibility/AccessibleComponent.html), javax.accessibility.[AccessibleSelection](http://docs.google.com/javax/accessibility/AccessibleSelection.html), java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
      * java.awt.[**MenuBar.AccessibleAWTMenuBar**](http://docs.google.com/java/awt/MenuBar.AccessibleAWTMenuBar.html)
      * java.awt.[**MenuItem.AccessibleAWTMenuItem**](http://docs.google.com/java/awt/MenuItem.AccessibleAWTMenuItem.html) (implements javax.accessibility.[AccessibleAction](http://docs.google.com/javax/accessibility/AccessibleAction.html), javax.accessibility.[AccessibleValue](http://docs.google.com/javax/accessibility/AccessibleValue.html))
        + java.awt.[**CheckboxMenuItem.AccessibleAWTCheckboxMenuItem**](http://docs.google.com/java/awt/CheckboxMenuItem.AccessibleAWTCheckboxMenuItem.html) (implements javax.accessibility.[AccessibleAction](http://docs.google.com/javax/accessibility/AccessibleAction.html), javax.accessibility.[AccessibleValue](http://docs.google.com/javax/accessibility/AccessibleValue.html))
        + java.awt.[**Menu.AccessibleAWTMenu**](http://docs.google.com/java/awt/Menu.AccessibleAWTMenu.html)

java.awt.[**PopupMenu.AccessibleAWTPopupMenu**](http://docs.google.com/java/awt/PopupMenu.AccessibleAWTPopupMenu.html)

* + java.awt.[**AlphaComposite**](http://docs.google.com/java/awt/AlphaComposite.html) (implements java.awt.[Composite](http://docs.google.com/java/awt/Composite.html))
  + java.awt.[**AWTEventMulticaster**](http://docs.google.com/java/awt/AWTEventMulticaster.html) (implements java.awt.event.[ActionListener](http://docs.google.com/java/awt/event/ActionListener.html), java.awt.event.[AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html), java.awt.event.[ComponentListener](http://docs.google.com/java/awt/event/ComponentListener.html), java.awt.event.[ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html), java.awt.event.[FocusListener](http://docs.google.com/java/awt/event/FocusListener.html), java.awt.event.[HierarchyBoundsListener](http://docs.google.com/java/awt/event/HierarchyBoundsListener.html), java.awt.event.[HierarchyListener](http://docs.google.com/java/awt/event/HierarchyListener.html), java.awt.event.[InputMethodListener](http://docs.google.com/java/awt/event/InputMethodListener.html), java.awt.event.[ItemListener](http://docs.google.com/java/awt/event/ItemListener.html), java.awt.event.[KeyListener](http://docs.google.com/java/awt/event/KeyListener.html), java.awt.event.[MouseListener](http://docs.google.com/java/awt/event/MouseListener.html), java.awt.event.[MouseMotionListener](http://docs.google.com/java/awt/event/MouseMotionListener.html), java.awt.event.[MouseWheelListener](http://docs.google.com/java/awt/event/MouseWheelListener.html), java.awt.event.[TextListener](http://docs.google.com/java/awt/event/TextListener.html), java.awt.event.[WindowFocusListener](http://docs.google.com/java/awt/event/WindowFocusListener.html), java.awt.event.[WindowListener](http://docs.google.com/java/awt/event/WindowListener.html), java.awt.event.[WindowStateListener](http://docs.google.com/java/awt/event/WindowStateListener.html))
  + java.awt.[**AWTKeyStroke**](http://docs.google.com/java/awt/AWTKeyStroke.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + java.awt.[**BasicStroke**](http://docs.google.com/java/awt/BasicStroke.html) (implements java.awt.[Stroke](http://docs.google.com/java/awt/Stroke.html))
  + java.awt.[**BorderLayout**](http://docs.google.com/java/awt/BorderLayout.html) (implements java.awt.[LayoutManager2](http://docs.google.com/java/awt/LayoutManager2.html), java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + java.awt.[**BufferCapabilities**](http://docs.google.com/java/awt/BufferCapabilities.html) (implements java.lang.[Cloneable](http://docs.google.com/java/lang/Cloneable.html))
  + java.awt.[**BufferCapabilities.FlipContents**](http://docs.google.com/java/awt/BufferCapabilities.FlipContents.html)
  + java.awt.image.[**BufferStrategy**](http://docs.google.com/java/awt/image/BufferStrategy.html)
    - java.awt.[**Component.BltBufferStrategy**](http://docs.google.com/java/awt/Component.BltBufferStrategy.html)
    - java.awt.[**Component.FlipBufferStrategy**](http://docs.google.com/java/awt/Component.FlipBufferStrategy.html)
  + java.awt.[**CardLayout**](http://docs.google.com/java/awt/CardLayout.html) (implements java.awt.[LayoutManager2](http://docs.google.com/java/awt/LayoutManager2.html), java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + java.awt.[**CheckboxGroup**](http://docs.google.com/java/awt/CheckboxGroup.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + java.awt.[**Color**](http://docs.google.com/java/awt/Color.html) (implements java.awt.[Paint](http://docs.google.com/java/awt/Paint.html), java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
    - java.awt.[**SystemColor**](http://docs.google.com/java/awt/SystemColor.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + java.awt.[**Component**](http://docs.google.com/java/awt/Component.html) (implements java.awt.image.[ImageObserver](http://docs.google.com/java/awt/image/ImageObserver.html), java.awt.[MenuContainer](http://docs.google.com/java/awt/MenuContainer.html), java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
    - java.awt.[**Button**](http://docs.google.com/java/awt/Button.html) (implements javax.accessibility.[Accessible](http://docs.google.com/javax/accessibility/Accessible.html))
    - java.awt.[**Canvas**](http://docs.google.com/java/awt/Canvas.html) (implements javax.accessibility.[Accessible](http://docs.google.com/javax/accessibility/Accessible.html))
    - java.awt.[**Checkbox**](http://docs.google.com/java/awt/Checkbox.html) (implements javax.accessibility.[Accessible](http://docs.google.com/javax/accessibility/Accessible.html), java.awt.[ItemSelectable](http://docs.google.com/java/awt/ItemSelectable.html))
    - java.awt.[**Choice**](http://docs.google.com/java/awt/Choice.html) (implements javax.accessibility.[Accessible](http://docs.google.com/javax/accessibility/Accessible.html), java.awt.[ItemSelectable](http://docs.google.com/java/awt/ItemSelectable.html))
    - java.awt.[**Container**](http://docs.google.com/java/awt/Container.html)
      * java.awt.[**Panel**](http://docs.google.com/java/awt/Panel.html) (implements javax.accessibility.[Accessible](http://docs.google.com/javax/accessibility/Accessible.html))
      * java.awt.[**ScrollPane**](http://docs.google.com/java/awt/ScrollPane.html) (implements javax.accessibility.[Accessible](http://docs.google.com/javax/accessibility/Accessible.html))
      * java.awt.[**Window**](http://docs.google.com/java/awt/Window.html) (implements javax.accessibility.[Accessible](http://docs.google.com/javax/accessibility/Accessible.html))
        + java.awt.[**Dialog**](http://docs.google.com/java/awt/Dialog.html)

java.awt.[**FileDialog**](http://docs.google.com/java/awt/FileDialog.html)

* + - * + java.awt.[**Frame**](http://docs.google.com/java/awt/Frame.html) (implements java.awt.[MenuContainer](http://docs.google.com/java/awt/MenuContainer.html))
    - java.awt.[**Label**](http://docs.google.com/java/awt/Label.html) (implements javax.accessibility.[Accessible](http://docs.google.com/javax/accessibility/Accessible.html))
    - java.awt.[**List**](http://docs.google.com/java/awt/List.html) (implements javax.accessibility.[Accessible](http://docs.google.com/javax/accessibility/Accessible.html), java.awt.[ItemSelectable](http://docs.google.com/java/awt/ItemSelectable.html))
    - java.awt.[**Scrollbar**](http://docs.google.com/java/awt/Scrollbar.html) (implements javax.accessibility.[Accessible](http://docs.google.com/javax/accessibility/Accessible.html), java.awt.[Adjustable](http://docs.google.com/java/awt/Adjustable.html))
    - java.awt.[**TextComponent**](http://docs.google.com/java/awt/TextComponent.html) (implements javax.accessibility.[Accessible](http://docs.google.com/javax/accessibility/Accessible.html))
      * java.awt.[**TextArea**](http://docs.google.com/java/awt/TextArea.html)
      * java.awt.[**TextField**](http://docs.google.com/java/awt/TextField.html)
  + java.awt.[**Component.AccessibleAWTComponent.AccessibleAWTComponentHandler**](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.AccessibleAWTComponentHandler.html) (implements java.awt.event.[ComponentListener](http://docs.google.com/java/awt/event/ComponentListener.html))
  + java.awt.[**Component.AccessibleAWTComponent.AccessibleAWTFocusHandler**](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.AccessibleAWTFocusHandler.html) (implements java.awt.event.[FocusListener](http://docs.google.com/java/awt/event/FocusListener.html))
  + java.awt.[**ComponentOrientation**](http://docs.google.com/java/awt/ComponentOrientation.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + java.awt.[**Container.AccessibleAWTContainer.AccessibleContainerHandler**](http://docs.google.com/java/awt/Container.AccessibleAWTContainer.AccessibleContainerHandler.html) (implements java.awt.event.[ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html))
  + java.awt.[**Cursor**](http://docs.google.com/java/awt/Cursor.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + java.awt.[**Desktop**](http://docs.google.com/java/awt/Desktop.html)
  + java.awt.geom.[**Dimension2D**](http://docs.google.com/java/awt/geom/Dimension2D.html) (implements java.lang.[Cloneable](http://docs.google.com/java/lang/Cloneable.html))
    - java.awt.[**Dimension**](http://docs.google.com/java/awt/Dimension.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + java.awt.[**DisplayMode**](http://docs.google.com/java/awt/DisplayMode.html)
  + java.awt.[**Event**](http://docs.google.com/java/awt/Event.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + java.util.[**EventObject**](http://docs.google.com/java/util/EventObject.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
    - java.awt.[**AWTEvent**](http://docs.google.com/java/awt/AWTEvent.html)
  + java.awt.[**EventQueue**](http://docs.google.com/java/awt/EventQueue.html)
  + java.awt.[**FlowLayout**](http://docs.google.com/java/awt/FlowLayout.html) (implements java.awt.[LayoutManager](http://docs.google.com/java/awt/LayoutManager.html), java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + java.awt.[**FocusTraversalPolicy**](http://docs.google.com/java/awt/FocusTraversalPolicy.html)
    - java.awt.[**ContainerOrderFocusTraversalPolicy**](http://docs.google.com/java/awt/ContainerOrderFocusTraversalPolicy.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
      * java.awt.[**DefaultFocusTraversalPolicy**](http://docs.google.com/java/awt/DefaultFocusTraversalPolicy.html)
  + java.awt.[**Font**](http://docs.google.com/java/awt/Font.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + java.awt.[**FontMetrics**](http://docs.google.com/java/awt/FontMetrics.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + java.awt.[**GradientPaint**](http://docs.google.com/java/awt/GradientPaint.html) (implements java.awt.[Paint](http://docs.google.com/java/awt/Paint.html))
  + java.awt.[**Graphics**](http://docs.google.com/java/awt/Graphics.html)
    - java.awt.[**Graphics2D**](http://docs.google.com/java/awt/Graphics2D.html)
  + java.awt.[**GraphicsConfigTemplate**](http://docs.google.com/java/awt/GraphicsConfigTemplate.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + java.awt.[**GraphicsConfiguration**](http://docs.google.com/java/awt/GraphicsConfiguration.html)
  + java.awt.[**GraphicsDevice**](http://docs.google.com/java/awt/GraphicsDevice.html)
  + java.awt.[**GraphicsEnvironment**](http://docs.google.com/java/awt/GraphicsEnvironment.html)
  + java.awt.[**GridBagConstraints**](http://docs.google.com/java/awt/GridBagConstraints.html) (implements java.lang.[Cloneable](http://docs.google.com/java/lang/Cloneable.html), java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + java.awt.[**GridBagLayout**](http://docs.google.com/java/awt/GridBagLayout.html) (implements java.awt.[LayoutManager2](http://docs.google.com/java/awt/LayoutManager2.html), java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + java.awt.[**GridBagLayoutInfo**](http://docs.google.com/java/awt/GridBagLayoutInfo.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + java.awt.[**GridLayout**](http://docs.google.com/java/awt/GridLayout.html) (implements java.awt.[LayoutManager](http://docs.google.com/java/awt/LayoutManager.html), java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + java.awt.[**Image**](http://docs.google.com/java/awt/Image.html)
  + java.awt.[**ImageCapabilities**](http://docs.google.com/java/awt/ImageCapabilities.html) (implements java.lang.[Cloneable](http://docs.google.com/java/lang/Cloneable.html))
  + java.awt.[**Insets**](http://docs.google.com/java/awt/Insets.html) (implements java.lang.[Cloneable](http://docs.google.com/java/lang/Cloneable.html), java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + java.awt.[**JobAttributes**](http://docs.google.com/java/awt/JobAttributes.html) (implements java.lang.[Cloneable](http://docs.google.com/java/lang/Cloneable.html))
  + java.awt.[**JobAttributes.DefaultSelectionType**](http://docs.google.com/java/awt/JobAttributes.DefaultSelectionType.html)
  + java.awt.[**JobAttributes.DestinationType**](http://docs.google.com/java/awt/JobAttributes.DestinationType.html)
  + java.awt.[**JobAttributes.DialogType**](http://docs.google.com/java/awt/JobAttributes.DialogType.html)
  + java.awt.[**JobAttributes.MultipleDocumentHandlingType**](http://docs.google.com/java/awt/JobAttributes.MultipleDocumentHandlingType.html)
  + java.awt.[**JobAttributes.SidesType**](http://docs.google.com/java/awt/JobAttributes.SidesType.html)
  + java.awt.[**KeyboardFocusManager**](http://docs.google.com/java/awt/KeyboardFocusManager.html) (implements java.awt.[KeyEventDispatcher](http://docs.google.com/java/awt/KeyEventDispatcher.html), java.awt.[KeyEventPostProcessor](http://docs.google.com/java/awt/KeyEventPostProcessor.html))
    - java.awt.[**DefaultKeyboardFocusManager**](http://docs.google.com/java/awt/DefaultKeyboardFocusManager.html)
  + java.awt.[**MediaTracker**](http://docs.google.com/java/awt/MediaTracker.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + java.awt.[**MenuComponent**](http://docs.google.com/java/awt/MenuComponent.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
    - java.awt.[**MenuBar**](http://docs.google.com/java/awt/MenuBar.html) (implements javax.accessibility.[Accessible](http://docs.google.com/javax/accessibility/Accessible.html), java.awt.[MenuContainer](http://docs.google.com/java/awt/MenuContainer.html))
    - java.awt.[**MenuItem**](http://docs.google.com/java/awt/MenuItem.html) (implements javax.accessibility.[Accessible](http://docs.google.com/javax/accessibility/Accessible.html))
      * java.awt.[**CheckboxMenuItem**](http://docs.google.com/java/awt/CheckboxMenuItem.html) (implements javax.accessibility.[Accessible](http://docs.google.com/javax/accessibility/Accessible.html), java.awt.[ItemSelectable](http://docs.google.com/java/awt/ItemSelectable.html))
      * java.awt.[**Menu**](http://docs.google.com/java/awt/Menu.html) (implements javax.accessibility.[Accessible](http://docs.google.com/javax/accessibility/Accessible.html), java.awt.[MenuContainer](http://docs.google.com/java/awt/MenuContainer.html))
        + java.awt.[**PopupMenu**](http://docs.google.com/java/awt/PopupMenu.html)
  + java.awt.[**MenuShortcut**](http://docs.google.com/java/awt/MenuShortcut.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + java.awt.[**MouseInfo**](http://docs.google.com/java/awt/MouseInfo.html)
  + java.awt.[**MultipleGradientPaint**](http://docs.google.com/java/awt/MultipleGradientPaint.html) (implements java.awt.[Paint](http://docs.google.com/java/awt/Paint.html))
    - java.awt.[**LinearGradientPaint**](http://docs.google.com/java/awt/LinearGradientPaint.html)
    - java.awt.[**RadialGradientPaint**](http://docs.google.com/java/awt/RadialGradientPaint.html)
  + java.awt.[**PageAttributes**](http://docs.google.com/java/awt/PageAttributes.html) (implements java.lang.[Cloneable](http://docs.google.com/java/lang/Cloneable.html))
  + java.awt.[**PageAttributes.ColorType**](http://docs.google.com/java/awt/PageAttributes.ColorType.html)
  + java.awt.[**PageAttributes.MediaType**](http://docs.google.com/java/awt/PageAttributes.MediaType.html)
  + java.awt.[**PageAttributes.OrientationRequestedType**](http://docs.google.com/java/awt/PageAttributes.OrientationRequestedType.html)
  + java.awt.[**PageAttributes.OriginType**](http://docs.google.com/java/awt/PageAttributes.OriginType.html)
  + java.awt.[**PageAttributes.PrintQualityType**](http://docs.google.com/java/awt/PageAttributes.PrintQualityType.html)
  + java.security.[**Permission**](http://docs.google.com/java/security/Permission.html) (implements java.security.[Guard](http://docs.google.com/java/security/Guard.html), java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
    - java.security.[**BasicPermission**](http://docs.google.com/java/security/BasicPermission.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
      * java.awt.[**AWTPermission**](http://docs.google.com/java/awt/AWTPermission.html)
  + java.awt.geom.[**Point2D**](http://docs.google.com/java/awt/geom/Point2D.html) (implements java.lang.[Cloneable](http://docs.google.com/java/lang/Cloneable.html))
    - java.awt.[**Point**](http://docs.google.com/java/awt/Point.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + java.awt.[**PointerInfo**](http://docs.google.com/java/awt/PointerInfo.html)
  + java.awt.[**Polygon**](http://docs.google.com/java/awt/Polygon.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html), java.awt.[Shape](http://docs.google.com/java/awt/Shape.html))
  + java.awt.[**PrintJob**](http://docs.google.com/java/awt/PrintJob.html)
  + java.awt.geom.[**RectangularShape**](http://docs.google.com/java/awt/geom/RectangularShape.html) (implements java.lang.[Cloneable](http://docs.google.com/java/lang/Cloneable.html), java.awt.[Shape](http://docs.google.com/java/awt/Shape.html))
    - java.awt.geom.[**Rectangle2D**](http://docs.google.com/java/awt/geom/Rectangle2D.html)
      * java.awt.[**Rectangle**](http://docs.google.com/java/awt/Rectangle.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html), java.awt.[Shape](http://docs.google.com/java/awt/Shape.html))
  + java.awt.[**RenderingHints**](http://docs.google.com/java/awt/RenderingHints.html) (implements java.lang.[Cloneable](http://docs.google.com/java/lang/Cloneable.html), java.util.[Map](http://docs.google.com/java/util/Map.html)<K,V>)
  + java.awt.[**RenderingHints.Key**](http://docs.google.com/java/awt/RenderingHints.Key.html)
  + java.awt.[**Robot**](http://docs.google.com/java/awt/Robot.html)
  + java.awt.[**ScrollPaneAdjustable**](http://docs.google.com/java/awt/ScrollPaneAdjustable.html) (implements java.awt.[Adjustable](http://docs.google.com/java/awt/Adjustable.html), java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + java.awt.[**SplashScreen**](http://docs.google.com/java/awt/SplashScreen.html)
  + java.awt.[**SystemTray**](http://docs.google.com/java/awt/SystemTray.html)
  + java.awt.[**TexturePaint**](http://docs.google.com/java/awt/TexturePaint.html) (implements java.awt.[Paint](http://docs.google.com/java/awt/Paint.html))
  + java.lang.[**Throwable**](http://docs.google.com/java/lang/Throwable.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
    - java.lang.[**Error**](http://docs.google.com/java/lang/Error.html)
      * java.awt.[**AWTError**](http://docs.google.com/java/awt/AWTError.html)
    - java.lang.[**Exception**](http://docs.google.com/java/lang/Exception.html)
      * java.awt.[**AWTException**](http://docs.google.com/java/awt/AWTException.html)
      * java.awt.[**FontFormatException**](http://docs.google.com/java/awt/FontFormatException.html)
      * java.lang.[**RuntimeException**](http://docs.google.com/java/lang/RuntimeException.html)
        + java.lang.[**IllegalStateException**](http://docs.google.com/java/lang/IllegalStateException.html)

java.awt.[**IllegalComponentStateException**](http://docs.google.com/java/awt/IllegalComponentStateException.html)

* + - * + java.lang.[**UnsupportedOperationException**](http://docs.google.com/java/lang/UnsupportedOperationException.html)

java.awt.[**HeadlessException**](http://docs.google.com/java/awt/HeadlessException.html)

* + java.awt.[**Toolkit**](http://docs.google.com/java/awt/Toolkit.html)
  + java.awt.[**TrayIcon**](http://docs.google.com/java/awt/TrayIcon.html)

## Interface Hierarchy

* java.awt.[**ActiveEvent**](http://docs.google.com/java/awt/ActiveEvent.html)
* java.awt.[**Adjustable**](http://docs.google.com/java/awt/Adjustable.html)
* java.awt.[**Composite**](http://docs.google.com/java/awt/Composite.html)
* java.awt.[**CompositeContext**](http://docs.google.com/java/awt/CompositeContext.html)
* java.awt.[**ItemSelectable**](http://docs.google.com/java/awt/ItemSelectable.html)
* java.awt.[**KeyEventDispatcher**](http://docs.google.com/java/awt/KeyEventDispatcher.html)
* java.awt.[**KeyEventPostProcessor**](http://docs.google.com/java/awt/KeyEventPostProcessor.html)
* java.awt.[**LayoutManager**](http://docs.google.com/java/awt/LayoutManager.html)
  + java.awt.[**LayoutManager2**](http://docs.google.com/java/awt/LayoutManager2.html)
* java.awt.[**MenuContainer**](http://docs.google.com/java/awt/MenuContainer.html)
* java.awt.[**PaintContext**](http://docs.google.com/java/awt/PaintContext.html)
* java.awt.[**PrintGraphics**](http://docs.google.com/java/awt/PrintGraphics.html)
* java.awt.[**Shape**](http://docs.google.com/java/awt/Shape.html)
* java.awt.[**Stroke**](http://docs.google.com/java/awt/Stroke.html)
* java.awt.[**Transparency**](http://docs.google.com/java/awt/Transparency.html)
  + java.awt.[**Paint**](http://docs.google.com/java/awt/Paint.html)

## Enum Hierarchy

* java.lang.[**Object**](http://docs.google.com/java/lang/Object.html)
  + java.lang.[**Enum**](http://docs.google.com/java/lang/Enum.html)<E> (implements java.lang.[Comparable](http://docs.google.com/java/lang/Comparable.html)<T>, java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
    - java.awt.[**Dialog.ModalityType**](http://docs.google.com/java/awt/Dialog.ModalityType.html)
    - java.awt.[**Dialog.ModalExclusionType**](http://docs.google.com/java/awt/Dialog.ModalExclusionType.html)
    - java.awt.[**Component.BaselineResizeBehavior**](http://docs.google.com/java/awt/Component.BaselineResizeBehavior.html)
    - java.awt.[**TrayIcon.MessageType**](http://docs.google.com/java/awt/TrayIcon.MessageType.html)
    - java.awt.[**MultipleGradientPaint.CycleMethod**](http://docs.google.com/java/awt/MultipleGradientPaint.CycleMethod.html)
    - java.awt.[**MultipleGradientPaint.ColorSpaceType**](http://docs.google.com/java/awt/MultipleGradientPaint.ColorSpaceType.html)
    - java.awt.[**Desktop.Action**](http://docs.google.com/java/awt/Desktop.Action.html)

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | Class | Use | **Tree** | [**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**](http://docs.google.com/java/applet/package-tree.html)   [**NEXT**](http://docs.google.com/java/awt/color/package-tree.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/package-tree.html)    [**NO FRAMES**](http://docs.google.com/package-tree.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.

Copyright 2006 Sun Microsystems, Inc. All rights reserved. Use is subject to [license terms](http://docs.google.com/legal/license.html). Also see the [documentation redistribution policy](http://java.sun.com/docs/redist.html).