| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/swing/event/ChangeListener.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/event//class-useChangeListener.html)    [**NO FRAMES**](http://docs.google.com/ChangeListener.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Interface**

**javax.swing.event.ChangeListener**

| Packages that use [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.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.colorchooser**](#2et92p0) | Contains classes and interfaces used by the JColorChooser component. |
| [**javax.swing.plaf.basic**](#tyjcwt) | Provides user interface objects built according to the Basic look and feel. |
| [**javax.swing.text**](#3dy6vkm) | Provides classes and interfaces that deal with editable and noneditable text components. |

| Uses of [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.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 [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | |
| --- | --- |
| protected  class | [**AbstractButton.ButtonChangeListener**](http://docs.google.com/javax/swing/AbstractButton.ButtonChangeListener.html)            Extends ChangeListener to be serializable. |
| protected  class | [**JCheckBoxMenuItem.AccessibleJCheckBoxMenuItem**](http://docs.google.com/javax/swing/JCheckBoxMenuItem.AccessibleJCheckBoxMenuItem.html)            This class implements accessibility support for the JCheckBoxMenuItem class. |
| protected  class | [**JMenu.AccessibleJMenu**](http://docs.google.com/javax/swing/JMenu.AccessibleJMenu.html)            This class implements accessibility support for the JMenu class. |
| protected  class | [**JMenuItem.AccessibleJMenuItem**](http://docs.google.com/javax/swing/JMenuItem.AccessibleJMenuItem.html)            This class implements accessibility support for the JMenuItem class. |
| protected  class | [**JRadioButtonMenuItem.AccessibleJRadioButtonMenuItem**](http://docs.google.com/javax/swing/JRadioButtonMenuItem.AccessibleJRadioButtonMenuItem.html)            This class implements accessibility support for the JRadioButtonMenuItem class. |
| protected  class | [**JScrollPane.AccessibleJScrollPane**](http://docs.google.com/javax/swing/JScrollPane.AccessibleJScrollPane.html)            This class implements accessibility support for the JScrollPane class. |
| protected  class | [**JSpinner.AccessibleJSpinner**](http://docs.google.com/javax/swing/JSpinner.AccessibleJSpinner.html)            AccessibleJSpinner implements accessibility support for the JSpinner class. |
| static class | [**JSpinner.DateEditor**](http://docs.google.com/javax/swing/JSpinner.DateEditor.html)            An editor for a JSpinner whose model is a SpinnerDateModel. |
| static class | [**JSpinner.DefaultEditor**](http://docs.google.com/javax/swing/JSpinner.DefaultEditor.html)            A simple base class for more specialized editors that displays a read-only view of the model's current value with a JFormattedTextField. |
| static class | [**JSpinner.ListEditor**](http://docs.google.com/javax/swing/JSpinner.ListEditor.html)            An editor for a JSpinner whose model is a SpinnerListModel. |
| static class | [**JSpinner.NumberEditor**](http://docs.google.com/javax/swing/JSpinner.NumberEditor.html)            An editor for a JSpinner whose model is a SpinnerNumberModel. |
| protected  class | [**JTabbedPane.AccessibleJTabbedPane**](http://docs.google.com/javax/swing/JTabbedPane.AccessibleJTabbedPane.html)            This class implements accessibility support for the JTabbedPane class. |
| protected  class | [**JTabbedPane.ModelListener**](http://docs.google.com/javax/swing/JTabbedPane.ModelListener.html)            We pass ModelChanged events along to the listeners with the tabbedpane (instead of the model itself) as the event source. |
| protected  class | [**ProgressMonitor.AccessibleProgressMonitor**](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html)            AccessibleProgressMonitor implements accessibility support for the ProgressMonitor class. |

| Fields in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) declared as [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | |
| --- | --- |
| protected  [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | **JProgressBar.**[**changeListener**](http://docs.google.com/javax/swing/JProgressBar.html#changeListener)            Listens for change events sent by the progress bar's model, redispatching them to change-event listeners registered upon this progress bar. |
| protected  [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | **JSlider.**[**changeListener**](http://docs.google.com/javax/swing/JSlider.html#changeListener)            The changeListener (no suffix) is the listener we add to the slider's model. |
| protected  [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | **JTabbedPane.**[**changeListener**](http://docs.google.com/javax/swing/JTabbedPane.html#changeListener)            The changeListener is the listener we add to the model. |
| protected  [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | **AbstractButton.**[**changeListener**](http://docs.google.com/javax/swing/AbstractButton.html#changeListener)            The button model's changeListener. |

| Methods in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) that return [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | |
| --- | --- |
| protected  [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | **JProgressBar.**[**createChangeListener**](http://docs.google.com/javax/swing/JProgressBar.html#createChangeListener())()            Subclasses that want to handle change events from the model differently can override this to return an instance of a custom ChangeListener implementation. |
| protected  [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | **JSlider.**[**createChangeListener**](http://docs.google.com/javax/swing/JSlider.html#createChangeListener())()            Subclasses that want to handle ChangeEvents from the model differently can override this to return an instance of a custom ChangeListener implementation. |
| protected  [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | **JTabbedPane.**[**createChangeListener**](http://docs.google.com/javax/swing/JTabbedPane.html#createChangeListener())()            Subclasses that want to handle ChangeEvents differently can override this to return a subclass of ModelListener or another ChangeListener implementation. |
| protected  [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | **AbstractButton.**[**createChangeListener**](http://docs.google.com/javax/swing/AbstractButton.html#createChangeListener())()            Subclasses that want to handle ChangeEvents differently can override this to return another ChangeListener implementation. |
| [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html)[] | **JProgressBar.**[**getChangeListeners**](http://docs.google.com/javax/swing/JProgressBar.html#getChangeListeners())()            Returns an array of all the ChangeListeners added to this progress bar with addChangeListener. |
| [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html)[] | **JSlider.**[**getChangeListeners**](http://docs.google.com/javax/swing/JSlider.html#getChangeListeners())()            Returns an array of all the ChangeListeners added to this JSlider with addChangeListener(). |
| [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html)[] | **JSpinner.**[**getChangeListeners**](http://docs.google.com/javax/swing/JSpinner.html#getChangeListeners())()            Returns an array of all the ChangeListeners added to this JSpinner with addChangeListener(). |
| [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html)[] | **JTabbedPane.**[**getChangeListeners**](http://docs.google.com/javax/swing/JTabbedPane.html#getChangeListeners())()            Returns an array of all the ChangeListeners added to this JTabbedPane with addChangeListener. |
| [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html)[] | **JViewport.**[**getChangeListeners**](http://docs.google.com/javax/swing/JViewport.html#getChangeListeners())()            Returns an array of all the ChangeListeners added to this JViewport with addChangeListener(). |
| [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html)[] | **DefaultBoundedRangeModel.**[**getChangeListeners**](http://docs.google.com/javax/swing/DefaultBoundedRangeModel.html#getChangeListeners())()            Returns an array of all the change listeners registered on this DefaultBoundedRangeModel. |
| [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html)[] | **AbstractButton.**[**getChangeListeners**](http://docs.google.com/javax/swing/AbstractButton.html#getChangeListeners())()            Returns an array of all the ChangeListeners added to this AbstractButton with addChangeListener(). |
| [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html)[] | **DefaultSingleSelectionModel.**[**getChangeListeners**](http://docs.google.com/javax/swing/DefaultSingleSelectionModel.html#getChangeListeners())()            Returns an array of all the change listeners registered on this DefaultSingleSelectionModel. |
| [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html)[] | **AbstractSpinnerModel.**[**getChangeListeners**](http://docs.google.com/javax/swing/AbstractSpinnerModel.html#getChangeListeners())()            Returns an array of all the ChangeListeners added to this AbstractSpinnerModel with addChangeListener(). |
| [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html)[] | **DefaultButtonModel.**[**getChangeListeners**](http://docs.google.com/javax/swing/DefaultButtonModel.html#getChangeListeners())()            Returns an array of all the change listeners registered on this DefaultButtonModel. |
| [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html)[] | **MenuSelectionManager.**[**getChangeListeners**](http://docs.google.com/javax/swing/MenuSelectionManager.html#getChangeListeners())()            Returns an array of all the ChangeListeners added to this MenuSelectionManager with addChangeListener(). |

| Methods in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) with parameters of type [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | |
| --- | --- |
| void | **JProgressBar.**[**addChangeListener**](http://docs.google.com/javax/swing/JProgressBar.html#addChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Adds the specified ChangeListener to the progress bar. |
| void | **JSlider.**[**addChangeListener**](http://docs.google.com/javax/swing/JSlider.html#addChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Adds a ChangeListener to the slider. |
| void | **JSpinner.**[**addChangeListener**](http://docs.google.com/javax/swing/JSpinner.html#addChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) listener)            Adds a listener to the list that is notified each time a change to the model occurs. |
| void | **JTabbedPane.**[**addChangeListener**](http://docs.google.com/javax/swing/JTabbedPane.html#addChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Adds a ChangeListener to this tabbedpane. |
| void | **JViewport.**[**addChangeListener**](http://docs.google.com/javax/swing/JViewport.html#addChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Adds a ChangeListener to the list that is notified each time the view's size, position, or the viewport's extent size has changed. |
| void | **DefaultBoundedRangeModel.**[**addChangeListener**](http://docs.google.com/javax/swing/DefaultBoundedRangeModel.html#addChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Adds a ChangeListener. |
| void | **AbstractButton.**[**addChangeListener**](http://docs.google.com/javax/swing/AbstractButton.html#addChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Adds a ChangeListener to the button. |
| void | **DefaultSingleSelectionModel.**[**addChangeListener**](http://docs.google.com/javax/swing/DefaultSingleSelectionModel.html#addChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Adds a ChangeListener to the button. |
| void | **SpinnerModel.**[**addChangeListener**](http://docs.google.com/javax/swing/SpinnerModel.html#addChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Adds a ChangeListener to the model's listener list. |
| void | **AbstractSpinnerModel.**[**addChangeListener**](http://docs.google.com/javax/swing/AbstractSpinnerModel.html#addChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Adds a ChangeListener to the model's listener list. |
| void | **DefaultButtonModel.**[**addChangeListener**](http://docs.google.com/javax/swing/DefaultButtonModel.html#addChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Adds a ChangeListener to the model. |
| void | **BoundedRangeModel.**[**addChangeListener**](http://docs.google.com/javax/swing/BoundedRangeModel.html#addChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) x)            Adds a ChangeListener to the model's listener list. |
| void | **ButtonModel.**[**addChangeListener**](http://docs.google.com/javax/swing/ButtonModel.html#addChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Adds a ChangeListener to the model. |
| void | **MenuSelectionManager.**[**addChangeListener**](http://docs.google.com/javax/swing/MenuSelectionManager.html#addChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Adds a ChangeListener to the button. |
| void | **SingleSelectionModel.**[**addChangeListener**](http://docs.google.com/javax/swing/SingleSelectionModel.html#addChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) listener)            Adds *listener* as a listener to changes in the model. |
| void | **JProgressBar.**[**removeChangeListener**](http://docs.google.com/javax/swing/JProgressBar.html#removeChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Removes a ChangeListener from the progress bar. |
| void | **JSlider.**[**removeChangeListener**](http://docs.google.com/javax/swing/JSlider.html#removeChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Removes a ChangeListener from the slider. |
| void | **JSpinner.**[**removeChangeListener**](http://docs.google.com/javax/swing/JSpinner.html#removeChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) listener)            Removes a ChangeListener from this spinner. |
| void | **JTabbedPane.**[**removeChangeListener**](http://docs.google.com/javax/swing/JTabbedPane.html#removeChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Removes a ChangeListener from this tabbedpane. |
| void | **JViewport.**[**removeChangeListener**](http://docs.google.com/javax/swing/JViewport.html#removeChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Removes a ChangeListener from the list that's notified each time the views size, position, or the viewports extent size has changed. |
| void | **DefaultBoundedRangeModel.**[**removeChangeListener**](http://docs.google.com/javax/swing/DefaultBoundedRangeModel.html#removeChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Removes a ChangeListener. |
| void | **AbstractButton.**[**removeChangeListener**](http://docs.google.com/javax/swing/AbstractButton.html#removeChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Removes a ChangeListener from the button. |
| void | **DefaultSingleSelectionModel.**[**removeChangeListener**](http://docs.google.com/javax/swing/DefaultSingleSelectionModel.html#removeChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Removes a ChangeListener from the button. |
| void | **SpinnerModel.**[**removeChangeListener**](http://docs.google.com/javax/swing/SpinnerModel.html#removeChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Removes a ChangeListener from the model's listener list. |
| void | **AbstractSpinnerModel.**[**removeChangeListener**](http://docs.google.com/javax/swing/AbstractSpinnerModel.html#removeChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Removes a ChangeListener from the model's listener list. |
| void | **DefaultButtonModel.**[**removeChangeListener**](http://docs.google.com/javax/swing/DefaultButtonModel.html#removeChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Removes a ChangeListener from the model. |
| void | **BoundedRangeModel.**[**removeChangeListener**](http://docs.google.com/javax/swing/BoundedRangeModel.html#removeChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) x)            Removes a ChangeListener from the model's listener list. |
| void | **ButtonModel.**[**removeChangeListener**](http://docs.google.com/javax/swing/ButtonModel.html#removeChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Removes a ChangeListener from the model. |
| void | **MenuSelectionManager.**[**removeChangeListener**](http://docs.google.com/javax/swing/MenuSelectionManager.html#removeChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Removes a ChangeListener from the button. |
| void | **SingleSelectionModel.**[**removeChangeListener**](http://docs.google.com/javax/swing/SingleSelectionModel.html#removeChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) listener)            Removes *listener* as a listener to changes in the model. |

| Uses of [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.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 [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | |
| --- | --- |
| [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html)[] | **DefaultColorSelectionModel.**[**getChangeListeners**](http://docs.google.com/javax/swing/colorchooser/DefaultColorSelectionModel.html#getChangeListeners())()            Returns an array of all the ChangeListeners added to this DefaultColorSelectionModel with addChangeListener. |

| Methods in [javax.swing.colorchooser](http://docs.google.com/javax/swing/colorchooser/package-summary.html) with parameters of type [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | |
| --- | --- |
| void | **DefaultColorSelectionModel.**[**addChangeListener**](http://docs.google.com/javax/swing/colorchooser/DefaultColorSelectionModel.html#addChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Adds a ChangeListener to the model. |
| void | **ColorSelectionModel.**[**addChangeListener**](http://docs.google.com/javax/swing/colorchooser/ColorSelectionModel.html#addChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) listener)            Adds listener as a listener to changes in the model. |
| void | **DefaultColorSelectionModel.**[**removeChangeListener**](http://docs.google.com/javax/swing/colorchooser/DefaultColorSelectionModel.html#removeChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Removes a ChangeListener from the model. |
| void | **ColorSelectionModel.**[**removeChangeListener**](http://docs.google.com/javax/swing/colorchooser/ColorSelectionModel.html#removeChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) listener)            Removes listener as a listener to changes in the model. |

| Uses of [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) | |
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| Classes in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) that implement [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | |
| --- | --- |
| class | [**BasicButtonListener**](http://docs.google.com/javax/swing/plaf/basic/BasicButtonListener.html)            Button Listener |
| class | [**BasicMenuUI.ChangeHandler**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.ChangeHandler.html)            As of Java 2 platform 1.4, this previously undocumented class is now obsolete. |
| class | [**BasicProgressBarUI.ChangeHandler**](http://docs.google.com/javax/swing/plaf/basic/BasicProgressBarUI.ChangeHandler.html)            This inner class is marked "public" due to a compiler bug. |
| protected  class | [**BasicScrollBarUI.ModelListener**](http://docs.google.com/javax/swing/plaf/basic/BasicScrollBarUI.ModelListener.html)            A listener to listen for model changes. |
| class | [**BasicScrollPaneUI.HSBChangeListener**](http://docs.google.com/javax/swing/plaf/basic/BasicScrollPaneUI.HSBChangeListener.html)            Horizontal scrollbar listener. |
| class | [**BasicScrollPaneUI.ViewportChangeHandler**](http://docs.google.com/javax/swing/plaf/basic/BasicScrollPaneUI.ViewportChangeHandler.html)            Listener for viewport events. |
| class | [**BasicScrollPaneUI.VSBChangeListener**](http://docs.google.com/javax/swing/plaf/basic/BasicScrollPaneUI.VSBChangeListener.html)            Vertical scrollbar listener. |
| class | [**BasicSliderUI.ChangeHandler**](http://docs.google.com/javax/swing/plaf/basic/BasicSliderUI.ChangeHandler.html)            Data model listener. |
| class | [**BasicTabbedPaneUI.TabSelectionHandler**](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.TabSelectionHandler.html)            This class should be treated as a "protected" inner class. |

| Fields in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) declared as [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | |
| --- | --- |
| protected  [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | **BasicSliderUI.**[**changeListener**](http://docs.google.com/javax/swing/plaf/basic/BasicSliderUI.html#changeListener) |
| protected  [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | **BasicProgressBarUI.**[**changeListener**](http://docs.google.com/javax/swing/plaf/basic/BasicProgressBarUI.html#changeListener) |
| protected  [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | **BasicMenuUI.**[**changeListener**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.html#changeListener) |
| protected  [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | **BasicMenuBarUI.**[**changeListener**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuBarUI.html#changeListener) |
| protected  [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | **BasicScrollPaneUI.**[**hsbChangeListener**](http://docs.google.com/javax/swing/plaf/basic/BasicScrollPaneUI.html#hsbChangeListener) |
| protected  [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | **BasicColorChooserUI.**[**previewListener**](http://docs.google.com/javax/swing/plaf/basic/BasicColorChooserUI.html#previewListener) |
| protected  [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | **BasicTabbedPaneUI.**[**tabChangeListener**](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#tabChangeListener) |
| protected  [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | **BasicScrollPaneUI.**[**viewportChangeListener**](http://docs.google.com/javax/swing/plaf/basic/BasicScrollPaneUI.html#viewportChangeListener) |
| protected  [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | **BasicScrollPaneUI.**[**vsbChangeListener**](http://docs.google.com/javax/swing/plaf/basic/BasicScrollPaneUI.html#vsbChangeListener) |

| Methods in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) that return [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | |
| --- | --- |
| protected  [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | **BasicTabbedPaneUI.**[**createChangeListener**](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#createChangeListener())() |
| protected  [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | **BasicMenuBarUI.**[**createChangeListener**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuBarUI.html#createChangeListener())() |
| protected  [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | **BasicMenuUI.**[**createChangeListener**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.html#createChangeListener(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) c) |
| protected  [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | **BasicSliderUI.**[**createChangeListener**](http://docs.google.com/javax/swing/plaf/basic/BasicSliderUI.html#createChangeListener(javax.swing.JSlider))([JSlider](http://docs.google.com/javax/swing/JSlider.html) slider) |
| protected  [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | **BasicScrollPaneUI.**[**createHSBChangeListener**](http://docs.google.com/javax/swing/plaf/basic/BasicScrollPaneUI.html#createHSBChangeListener())() |
| protected  [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | **BasicScrollPaneUI.**[**createViewportChangeListener**](http://docs.google.com/javax/swing/plaf/basic/BasicScrollPaneUI.html#createViewportChangeListener())() |
| protected  [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | **BasicScrollPaneUI.**[**createVSBChangeListener**](http://docs.google.com/javax/swing/plaf/basic/BasicScrollPaneUI.html#createVSBChangeListener())() |

| Uses of [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.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 [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | |
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| [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html)[] | **DefaultCaret.**[**getChangeListeners**](http://docs.google.com/javax/swing/text/DefaultCaret.html#getChangeListeners())()            Returns an array of all the change listeners registered on this caret. |
| [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html)[] | **StyleContext.**[**getChangeListeners**](http://docs.google.com/javax/swing/text/StyleContext.html#getChangeListeners())()            Returns an array of all the ChangeListeners added to this StyleContext with addChangeListener(). |
| [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html)[] | **StyleContext.NamedStyle.**[**getChangeListeners**](http://docs.google.com/javax/swing/text/StyleContext.NamedStyle.html#getChangeListeners())()            Returns an array of all the ChangeListeners added to this NamedStyle with addChangeListener(). |

| Methods in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) with parameters of type [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | |
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| void | **DefaultCaret.**[**addChangeListener**](http://docs.google.com/javax/swing/text/DefaultCaret.html#addChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Adds a listener to track whenever the caret position has been changed. |
| void | **StyleContext.**[**addChangeListener**](http://docs.google.com/javax/swing/text/StyleContext.html#addChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Adds a listener to track when styles are added or removed. |
| void | **StyleContext.NamedStyle.**[**addChangeListener**](http://docs.google.com/javax/swing/text/StyleContext.NamedStyle.html#addChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Adds a change listener. |
| void | **Style.**[**addChangeListener**](http://docs.google.com/javax/swing/text/Style.html#addChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Adds a listener to track whenever an attribute has been changed. |
| void | **Caret.**[**addChangeListener**](http://docs.google.com/javax/swing/text/Caret.html#addChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Adds a listener to track whenever the caret position has been changed. |
| void | **DefaultCaret.**[**removeChangeListener**](http://docs.google.com/javax/swing/text/DefaultCaret.html#removeChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Removes a listener that was tracking caret position changes. |
| void | **StyleContext.**[**removeChangeListener**](http://docs.google.com/javax/swing/text/StyleContext.html#removeChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Removes a listener that was tracking styles being added or removed. |
| void | **StyleContext.NamedStyle.**[**removeChangeListener**](http://docs.google.com/javax/swing/text/StyleContext.NamedStyle.html#removeChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Removes a change listener. |
| void | **Style.**[**removeChangeListener**](http://docs.google.com/javax/swing/text/Style.html#removeChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Removes a listener that was tracking attribute changes. |
| void | **Caret.**[**removeChangeListener**](http://docs.google.com/javax/swing/text/Caret.html#removeChangeListener(javax.swing.event.ChangeListener))([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)            Removes a listener that was tracking caret position changes. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/swing/event/ChangeListener.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/event//class-useChangeListener.html)    [**NO FRAMES**](http://docs.google.com/ChangeListener.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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