| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DefaultColorSelectionModel.html) | [**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 CLASS**](http://docs.google.com/javax/swing/colorchooser/ColorSelectionModel.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?javax/swing/colorchooser/DefaultColorSelectionModel.html)    [**NO FRAMES**](http://docs.google.com/DefaultColorSelectionModel.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#17dp8vu) | [METHOD](#lnxbz9) |

## **javax.swing.colorchooser**

Class DefaultColorSelectionModel

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.swing.colorchooser.DefaultColorSelectionModel**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [ColorSelectionModel](http://docs.google.com/javax/swing/colorchooser/ColorSelectionModel.html)

public class **DefaultColorSelectionModel**extends [Object](http://docs.google.com/java/lang/Object.html)implements [ColorSelectionModel](http://docs.google.com/javax/swing/colorchooser/ColorSelectionModel.html), [Serializable](http://docs.google.com/java/io/Serializable.html)

A generic implementation of ColorSelectionModel.

**See Also:**[Color](http://docs.google.com/java/awt/Color.html)

| **Field Summary** | |
| --- | --- |
| protected  [ChangeEvent](http://docs.google.com/javax/swing/event/ChangeEvent.html) | [**changeEvent**](http://docs.google.com/javax/swing/colorchooser/DefaultColorSelectionModel.html#changeEvent)            Only one ChangeEvent is needed per model instance since the event's only (read-only) state is the source property. |
| protected  [EventListenerList](http://docs.google.com/javax/swing/event/EventListenerList.html) | [**listenerList**](http://docs.google.com/javax/swing/colorchooser/DefaultColorSelectionModel.html#listenerList) |

| **Constructor Summary** | |
| --- | --- |
| [**DefaultColorSelectionModel**](http://docs.google.com/javax/swing/colorchooser/DefaultColorSelectionModel.html#DefaultColorSelectionModel())()            Creates a DefaultColorSelectionModel with the current color set to Color.white. |
| [**DefaultColorSelectionModel**](http://docs.google.com/javax/swing/colorchooser/DefaultColorSelectionModel.html#DefaultColorSelectionModel(java.awt.Color))([Color](http://docs.google.com/java/awt/Color.html) color)            Creates a DefaultColorSelectionModel with the current color set to color, which should be non-null. |

| **Method Summary** | |
| --- | --- |
| void | [**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. |
| protected  void | [**fireStateChanged**](http://docs.google.com/javax/swing/colorchooser/DefaultColorSelectionModel.html#fireStateChanged())()            Runs each ChangeListener's stateChanged method. |
| [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html)[] | [**getChangeListeners**](http://docs.google.com/javax/swing/colorchooser/DefaultColorSelectionModel.html#getChangeListeners())()            Returns an array of all the ChangeListeners added to this DefaultColorSelectionModel with addChangeListener. |
| [Color](http://docs.google.com/java/awt/Color.html) | [**getSelectedColor**](http://docs.google.com/javax/swing/colorchooser/DefaultColorSelectionModel.html#getSelectedColor())()            Returns the selected Color which should be non-null. |
| void | [**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 | [**setSelectedColor**](http://docs.google.com/javax/swing/colorchooser/DefaultColorSelectionModel.html#setSelectedColor(java.awt.Color))([Color](http://docs.google.com/java/awt/Color.html) color)            Sets the selected color to color. |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [wait](http://docs.google.com/java/lang/Object.html#wait()), [wait](http://docs.google.com/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/java/lang/Object.html#wait(long,%20int)) |

| **Field Detail** |
| --- |

### changeEvent

protected transient [ChangeEvent](http://docs.google.com/javax/swing/event/ChangeEvent.html) **changeEvent**

Only one ChangeEvent is needed per model instance since the event's only (read-only) state is the source property. The source of events generated here is always "this".

### listenerList

protected [EventListenerList](http://docs.google.com/javax/swing/event/EventListenerList.html) **listenerList**

| **Constructor Detail** |
| --- |

### DefaultColorSelectionModel

public **DefaultColorSelectionModel**()

Creates a DefaultColorSelectionModel with the current color set to Color.white. This is the default constructor.

### DefaultColorSelectionModel

public **DefaultColorSelectionModel**([Color](http://docs.google.com/java/awt/Color.html) color)

Creates a DefaultColorSelectionModel with the current color set to color, which should be non-null. Note that setting the color to null is undefined and may have unpredictable results.

**Parameters:**color - the new Color

| **Method Detail** |
| --- |

### getSelectedColor

public [Color](http://docs.google.com/java/awt/Color.html) **getSelectedColor**()

Returns the selected Color which should be non-null.

**Specified by:**[getSelectedColor](http://docs.google.com/javax/swing/colorchooser/ColorSelectionModel.html#getSelectedColor()) in interface [ColorSelectionModel](http://docs.google.com/javax/swing/colorchooser/ColorSelectionModel.html) **Returns:**the selected Color**See Also:**[ColorSelectionModel.setSelectedColor(java.awt.Color)](http://docs.google.com/javax/swing/colorchooser/ColorSelectionModel.html#setSelectedColor(java.awt.Color))

### setSelectedColor

public void **setSelectedColor**([Color](http://docs.google.com/java/awt/Color.html) color)

Sets the selected color to color. Note that setting the color to null is undefined and may have unpredictable results. This method fires a state changed event if it sets the current color to a new non-null color; if the new color is the same as the current color, no event is fired.

**Specified by:**[setSelectedColor](http://docs.google.com/javax/swing/colorchooser/ColorSelectionModel.html#setSelectedColor(java.awt.Color)) in interface [ColorSelectionModel](http://docs.google.com/javax/swing/colorchooser/ColorSelectionModel.html) **Parameters:**color - the new Color**See Also:**[ColorSelectionModel.getSelectedColor()](http://docs.google.com/javax/swing/colorchooser/ColorSelectionModel.html#getSelectedColor()), [ColorSelectionModel.addChangeListener(javax.swing.event.ChangeListener)](http://docs.google.com/javax/swing/colorchooser/ColorSelectionModel.html#addChangeListener(javax.swing.event.ChangeListener))

### addChangeListener

public void **addChangeListener**([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)

Adds a ChangeListener to the model.

**Specified by:**[addChangeListener](http://docs.google.com/javax/swing/colorchooser/ColorSelectionModel.html#addChangeListener(javax.swing.event.ChangeListener)) in interface [ColorSelectionModel](http://docs.google.com/javax/swing/colorchooser/ColorSelectionModel.html) **Parameters:**l - the ChangeListener to be added

### removeChangeListener

public void **removeChangeListener**([ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) l)

Removes a ChangeListener from the model.

**Specified by:**[removeChangeListener](http://docs.google.com/javax/swing/colorchooser/ColorSelectionModel.html#removeChangeListener(javax.swing.event.ChangeListener)) in interface [ColorSelectionModel](http://docs.google.com/javax/swing/colorchooser/ColorSelectionModel.html) **Parameters:**l - the ChangeListener to be removed

### getChangeListeners

public [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html)[] **getChangeListeners**()

Returns an array of all the ChangeListeners added to this DefaultColorSelectionModel with addChangeListener.

**Returns:**all of the ChangeListeners added, or an empty array if no listeners have been added**Since:** 1.4

### fireStateChanged

protected void **fireStateChanged**()

Runs each ChangeListener's stateChanged method.

**See Also:**[EventListenerList](http://docs.google.com/javax/swing/event/EventListenerList.html)

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DefaultColorSelectionModel.html) | [**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*** |
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[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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