| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ColorType.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   [**NEXT CLASS**](http://docs.google.com/javax/swing/plaf/synth/Region.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/synth/ColorType.html)    [**NO FRAMES**](http://docs.google.com/ColorType.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#35nkun2) | [METHOD](#44sinio) |

## **javax.swing.plaf.synth**

Class ColorType

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.swing.plaf.synth.ColorType**

public class **ColorType**extends [Object](http://docs.google.com/java/lang/Object.html)

A typesafe enumeration of colors that can be fetched from a style.

Each SynthStyle has a set of ColorTypes that are accessed by way of the [SynthStyle.getColor(SynthContext, ColorType)](http://docs.google.com/javax/swing/plaf/synth/SynthStyle.html#getColor(javax.swing.plaf.synth.SynthContext,%20javax.swing.plaf.synth.ColorType)) method. SynthStyle's installDefaults will install the FOREGROUND color as the foreground of the Component, and the BACKGROUND color to the background of the component (assuming that you have not explicitly specified a foreground and background color). Some components support more color based properties, for example JList has the property selectionForeground which will be mapped to FOREGROUND with a component state of SynthConstants.SELECTED.

The following example shows a custom SynthStyle that returns a red Color for the DISABLED state, otherwise a black color.

class MyStyle extends SynthStyle {  
 private Color disabledColor = new ColorUIResource(Color.RED);  
 private Color color = new ColorUIResource(Color.BLACK);  
 protected Color getColorForState(SynthContext context, ColorType type){  
 if (context.getComponentState() == SynthConstants.DISABLED) {  
 return disabledColor;  
 }  
 return color;  
 }  
 }

**Since:** 1.5

| **Field Summary** | |
| --- | --- |
| static [ColorType](http://docs.google.com/javax/swing/plaf/synth/ColorType.html) | [**BACKGROUND**](http://docs.google.com/javax/swing/plaf/synth/ColorType.html#BACKGROUND)            ColorType for the background of a region. |
| static [ColorType](http://docs.google.com/javax/swing/plaf/synth/ColorType.html) | [**FOCUS**](http://docs.google.com/javax/swing/plaf/synth/ColorType.html#FOCUS)            ColorType for the focus. |
| static [ColorType](http://docs.google.com/javax/swing/plaf/synth/ColorType.html) | [**FOREGROUND**](http://docs.google.com/javax/swing/plaf/synth/ColorType.html#FOREGROUND)            ColorType for the foreground of a region. |
| static int | [**MAX\_COUNT**](http://docs.google.com/javax/swing/plaf/synth/ColorType.html#MAX_COUNT)            Maximum number of ColorTypes. |
| static [ColorType](http://docs.google.com/javax/swing/plaf/synth/ColorType.html) | [**TEXT\_BACKGROUND**](http://docs.google.com/javax/swing/plaf/synth/ColorType.html#TEXT_BACKGROUND)            ColorType for the background of a region. |
| static [ColorType](http://docs.google.com/javax/swing/plaf/synth/ColorType.html) | [**TEXT\_FOREGROUND**](http://docs.google.com/javax/swing/plaf/synth/ColorType.html#TEXT_FOREGROUND)            ColorType for the foreground of a region. |

| **Constructor Summary** | |
| --- | --- |
| protected | [**ColorType**](http://docs.google.com/javax/swing/plaf/synth/ColorType.html#ColorType(java.lang.String))([String](http://docs.google.com/java/lang/String.html) description)            Creates a new ColorType with the specified description. |

| **Method Summary** | |
| --- | --- |
| int | [**getID**](http://docs.google.com/javax/swing/plaf/synth/ColorType.html#getID())()            Returns a unique id, as an integer, for this ColorType. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/swing/plaf/synth/ColorType.html#toString())()            Returns the textual description of this ColorType. |

| **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()), [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** |
| --- |

### FOREGROUND

public static final [ColorType](http://docs.google.com/javax/swing/plaf/synth/ColorType.html) **FOREGROUND**

ColorType for the foreground of a region.

### BACKGROUND

public static final [ColorType](http://docs.google.com/javax/swing/plaf/synth/ColorType.html) **BACKGROUND**

ColorType for the background of a region.

### TEXT\_FOREGROUND

public static final [ColorType](http://docs.google.com/javax/swing/plaf/synth/ColorType.html) **TEXT\_FOREGROUND**

ColorType for the foreground of a region.

### TEXT\_BACKGROUND

public static final [ColorType](http://docs.google.com/javax/swing/plaf/synth/ColorType.html) **TEXT\_BACKGROUND**

ColorType for the background of a region.

### FOCUS

public static final [ColorType](http://docs.google.com/javax/swing/plaf/synth/ColorType.html) **FOCUS**

ColorType for the focus.

### MAX\_COUNT

public static final int **MAX\_COUNT**

Maximum number of ColorTypes.

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

### ColorType

protected **ColorType**([String](http://docs.google.com/java/lang/String.html) description)

Creates a new ColorType with the specified description.

**Parameters:**description - String description of the ColorType.

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

### getID

public final int **getID**()

Returns a unique id, as an integer, for this ColorType.

**Returns:**a unique id, as an integer, for this ColorType.

### toString

public [String](http://docs.google.com/java/lang/String.html) **toString**()

Returns the textual description of this ColorType. This is the same value that the ColorType was created with.

**Overrides:**[toString](http://docs.google.com/java/lang/Object.html#toString()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**the description of the string

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