| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Highlighter.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/text/GlyphView.GlyphPainter.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/text/Highlighter.Highlight.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/text/Highlighter.html)    [**NO FRAMES**](http://docs.google.com/Highlighter.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | FIELD | CONSTR | [METHOD](#2et92p0) | DETAIL: FIELD | CONSTR | [METHOD](#tyjcwt) |

## **javax.swing.text**

Interface Highlighter

**All Known Implementing Classes:** [BasicTextUI.BasicHighlighter](http://docs.google.com/javax/swing/plaf/basic/BasicTextUI.BasicHighlighter.html), [DefaultHighlighter](http://docs.google.com/javax/swing/text/DefaultHighlighter.html), [LayeredHighlighter](http://docs.google.com/javax/swing/text/LayeredHighlighter.html)

public interface **Highlighter**

An interface for an object that allows one to mark up the background with colored areas.

| **Nested Class Summary** | |
| --- | --- |
| static interface | [**Highlighter.Highlight**](http://docs.google.com/javax/swing/text/Highlighter.Highlight.html) |
| static interface | [**Highlighter.HighlightPainter**](http://docs.google.com/javax/swing/text/Highlighter.HighlightPainter.html)            Highlight renderer. |

| **Method Summary** | |
| --- | --- |
| [Object](http://docs.google.com/java/lang/Object.html) | [**addHighlight**](http://docs.google.com/javax/swing/text/Highlighter.html#addHighlight(int,%20int,%20javax.swing.text.Highlighter.HighlightPainter))(int p0, int p1, [Highlighter.HighlightPainter](http://docs.google.com/javax/swing/text/Highlighter.HighlightPainter.html) p)            Adds a highlight to the view. |
| void | [**changeHighlight**](http://docs.google.com/javax/swing/text/Highlighter.html#changeHighlight(java.lang.Object,%20int,%20int))([Object](http://docs.google.com/java/lang/Object.html) tag, int p0, int p1)            Changes the given highlight to span a different portion of the document. |
| void | [**deinstall**](http://docs.google.com/javax/swing/text/Highlighter.html#deinstall(javax.swing.text.JTextComponent))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) c)            Called when the UI is being removed from the interface of a JTextComponent. |
| [Highlighter.Highlight](http://docs.google.com/javax/swing/text/Highlighter.Highlight.html)[] | [**getHighlights**](http://docs.google.com/javax/swing/text/Highlighter.html#getHighlights())()            Fetches the current list of highlights. |
| void | [**install**](http://docs.google.com/javax/swing/text/Highlighter.html#install(javax.swing.text.JTextComponent))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) c)            Called when the UI is being installed into the interface of a JTextComponent. |
| void | [**paint**](http://docs.google.com/javax/swing/text/Highlighter.html#paint(java.awt.Graphics))([Graphics](http://docs.google.com/java/awt/Graphics.html) g)            Renders the highlights. |
| void | [**removeAllHighlights**](http://docs.google.com/javax/swing/text/Highlighter.html#removeAllHighlights())()            Removes all highlights this highlighter is responsible for. |
| void | [**removeHighlight**](http://docs.google.com/javax/swing/text/Highlighter.html#removeHighlight(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) tag)            Removes a highlight from the view. |

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

### install

void **install**([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) c)

Called when the UI is being installed into the interface of a JTextComponent. This can be used to gain access to the model that is being navigated by the implementation of this interface.

**Parameters:**c - the JTextComponent editor

### deinstall

void **deinstall**([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) c)

Called when the UI is being removed from the interface of a JTextComponent. This is used to unregister any listeners that were attached.

**Parameters:**c - the JTextComponent editor

### paint

void **paint**([Graphics](http://docs.google.com/java/awt/Graphics.html) g)

Renders the highlights.

**Parameters:**g - the graphics context.

### addHighlight

[Object](http://docs.google.com/java/lang/Object.html) **addHighlight**(int p0,  
 int p1,  
 [Highlighter.HighlightPainter](http://docs.google.com/javax/swing/text/Highlighter.HighlightPainter.html) p)  
 throws [BadLocationException](http://docs.google.com/javax/swing/text/BadLocationException.html)

Adds a highlight to the view. Returns a tag that can be used to refer to the highlight.

**Parameters:**p0 - the beginning of the range >= 0p1 - the end of the range >= p0p - the painter to use for the actual highlighting **Returns:**an object that refers to the highlight **Throws:** [BadLocationException](http://docs.google.com/javax/swing/text/BadLocationException.html) - for an invalid range specification

### removeHighlight

void **removeHighlight**([Object](http://docs.google.com/java/lang/Object.html) tag)

Removes a highlight from the view.

**Parameters:**tag - which highlight to remove

### removeAllHighlights

void **removeAllHighlights**()

Removes all highlights this highlighter is responsible for.

### changeHighlight

void **changeHighlight**([Object](http://docs.google.com/java/lang/Object.html) tag,  
 int p0,  
 int p1)  
 throws [BadLocationException](http://docs.google.com/javax/swing/text/BadLocationException.html)

Changes the given highlight to span a different portion of the document. This may be more efficient than a remove/add when a selection is expanding/shrinking (such as a sweep with a mouse) by damaging only what changed.

**Parameters:**tag - which highlight to changep0 - the beginning of the range >= 0p1 - the end of the range >= p0 **Throws:** [BadLocationException](http://docs.google.com/javax/swing/text/BadLocationException.html) - for an invalid range specification

### getHighlights

[Highlighter.Highlight](http://docs.google.com/javax/swing/text/Highlighter.Highlight.html)[] **getHighlights**()

Fetches the current list of highlights.

**Returns:**the highlight list

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Highlighter.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/text/GlyphView.GlyphPainter.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/text/Highlighter.Highlight.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/text/Highlighter.html)    [**NO FRAMES**](http://docs.google.com/Highlighter.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | FIELD | CONSTR | [METHOD](#2et92p0) | DETAIL: FIELD | CONSTR | [METHOD](#tyjcwt) |

[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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