| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/BevelBorder.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/border/AbstractBorder.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/border/Border.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/border/BevelBorder.html)    [**NO FRAMES**](http://docs.google.com/BevelBorder.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#4d34og8) | [CONSTR](#44sinio) | [METHOD](#1y810tw) |

## **javax.swing.border**

Class BevelBorder

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [javax.swing.border.AbstractBorder](http://docs.google.com/javax/swing/border/AbstractBorder.html)  
 **javax.swing.border.BevelBorder**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [Border](http://docs.google.com/javax/swing/border/Border.html) **Direct Known Subclasses:** [BorderUIResource.BevelBorderUIResource](http://docs.google.com/javax/swing/plaf/BorderUIResource.BevelBorderUIResource.html), [SoftBevelBorder](http://docs.google.com/javax/swing/border/SoftBevelBorder.html)

public class **BevelBorder**extends [AbstractBorder](http://docs.google.com/javax/swing/border/AbstractBorder.html)

A class which implements a simple two-line bevel border.

**Warning:** Serialized objects of this class will not be compatible with future Swing releases. The current serialization support is appropriate for short term storage or RMI between applications running the same version of Swing. As of 1.4, support for long term storage of all JavaBeansTM has been added to the java.beans package. Please see [XMLEncoder](http://docs.google.com/java/beans/XMLEncoder.html).

| **Field Summary** | |
| --- | --- |
| protected  int | [**bevelType**](http://docs.google.com/javax/swing/border/BevelBorder.html#bevelType) |
| protected  [Color](http://docs.google.com/java/awt/Color.html) | [**highlightInner**](http://docs.google.com/javax/swing/border/BevelBorder.html#highlightInner) |
| protected  [Color](http://docs.google.com/java/awt/Color.html) | [**highlightOuter**](http://docs.google.com/javax/swing/border/BevelBorder.html#highlightOuter) |
| static int | [**LOWERED**](http://docs.google.com/javax/swing/border/BevelBorder.html#LOWERED)            Lowered bevel type. |
| static int | [**RAISED**](http://docs.google.com/javax/swing/border/BevelBorder.html#RAISED)            Raised bevel type. |
| protected  [Color](http://docs.google.com/java/awt/Color.html) | [**shadowInner**](http://docs.google.com/javax/swing/border/BevelBorder.html#shadowInner) |
| protected  [Color](http://docs.google.com/java/awt/Color.html) | [**shadowOuter**](http://docs.google.com/javax/swing/border/BevelBorder.html#shadowOuter) |

| **Constructor Summary** | |
| --- | --- |
| [**BevelBorder**](http://docs.google.com/javax/swing/border/BevelBorder.html#BevelBorder(int))(int bevelType)            Creates a bevel border with the specified type and whose colors will be derived from the background color of the component passed into the paintBorder method. |
| [**BevelBorder**](http://docs.google.com/javax/swing/border/BevelBorder.html#BevelBorder(int,%20java.awt.Color,%20java.awt.Color))(int bevelType, [Color](http://docs.google.com/java/awt/Color.html) highlight, [Color](http://docs.google.com/java/awt/Color.html) shadow)            Creates a bevel border with the specified type, highlight and shadow colors. |
| [**BevelBorder**](http://docs.google.com/javax/swing/border/BevelBorder.html#BevelBorder(int,%20java.awt.Color,%20java.awt.Color,%20java.awt.Color,%20java.awt.Color))(int bevelType, [Color](http://docs.google.com/java/awt/Color.html) highlightOuterColor, [Color](http://docs.google.com/java/awt/Color.html) highlightInnerColor, [Color](http://docs.google.com/java/awt/Color.html) shadowOuterColor, [Color](http://docs.google.com/java/awt/Color.html) shadowInnerColor)            Creates a bevel border with the specified type, highlight and shadow colors. |

| **Method Summary** | |
| --- | --- |
| int | [**getBevelType**](http://docs.google.com/javax/swing/border/BevelBorder.html#getBevelType())()            Returns the type of the bevel border. |
| [Insets](http://docs.google.com/java/awt/Insets.html) | [**getBorderInsets**](http://docs.google.com/javax/swing/border/BevelBorder.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the insets of the border. |
| [Insets](http://docs.google.com/java/awt/Insets.html) | [**getBorderInsets**](http://docs.google.com/javax/swing/border/BevelBorder.html#getBorderInsets(java.awt.Component,%20java.awt.Insets))([Component](http://docs.google.com/java/awt/Component.html) c, [Insets](http://docs.google.com/java/awt/Insets.html) insets)            Reinitialize the insets parameter with this Border's current Insets. |
| [Color](http://docs.google.com/java/awt/Color.html) | [**getHighlightInnerColor**](http://docs.google.com/javax/swing/border/BevelBorder.html#getHighlightInnerColor())()            Returns the inner highlight color of the bevel border. |
| [Color](http://docs.google.com/java/awt/Color.html) | [**getHighlightInnerColor**](http://docs.google.com/javax/swing/border/BevelBorder.html#getHighlightInnerColor(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the inner highlight color of the bevel border when rendered on the specified component. |
| [Color](http://docs.google.com/java/awt/Color.html) | [**getHighlightOuterColor**](http://docs.google.com/javax/swing/border/BevelBorder.html#getHighlightOuterColor())()            Returns the outer highlight color of the bevel border. |
| [Color](http://docs.google.com/java/awt/Color.html) | [**getHighlightOuterColor**](http://docs.google.com/javax/swing/border/BevelBorder.html#getHighlightOuterColor(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the outer highlight color of the bevel border when rendered on the specified component. |
| [Color](http://docs.google.com/java/awt/Color.html) | [**getShadowInnerColor**](http://docs.google.com/javax/swing/border/BevelBorder.html#getShadowInnerColor())()            Returns the inner shadow color of the bevel border. |
| [Color](http://docs.google.com/java/awt/Color.html) | [**getShadowInnerColor**](http://docs.google.com/javax/swing/border/BevelBorder.html#getShadowInnerColor(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the inner shadow color of the bevel border when rendered on the specified component. |
| [Color](http://docs.google.com/java/awt/Color.html) | [**getShadowOuterColor**](http://docs.google.com/javax/swing/border/BevelBorder.html#getShadowOuterColor())()            Returns the outer shadow color of the bevel border. |
| [Color](http://docs.google.com/java/awt/Color.html) | [**getShadowOuterColor**](http://docs.google.com/javax/swing/border/BevelBorder.html#getShadowOuterColor(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the outer shadow color of the bevel border when rendered on the specified component. |
| boolean | [**isBorderOpaque**](http://docs.google.com/javax/swing/border/BevelBorder.html#isBorderOpaque())()            Returns whether or not the border is opaque. |
| void | [**paintBorder**](http://docs.google.com/javax/swing/border/BevelBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int width, int height)            Paints the border for the specified component with the specified position and size. |
| protected  void | [**paintLoweredBevel**](http://docs.google.com/javax/swing/border/BevelBorder.html#paintLoweredBevel(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int width, int height) |
| protected  void | [**paintRaisedBevel**](http://docs.google.com/javax/swing/border/BevelBorder.html#paintRaisedBevel(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int width, int height) |

| **Methods inherited from class javax.swing.border.**[**AbstractBorder**](http://docs.google.com/javax/swing/border/AbstractBorder.html) |
| --- |
| [getBaseline](http://docs.google.com/javax/swing/border/AbstractBorder.html#getBaseline(java.awt.Component,%20int,%20int)), [getBaselineResizeBehavior](http://docs.google.com/javax/swing/border/AbstractBorder.html#getBaselineResizeBehavior(java.awt.Component)), [getInteriorRectangle](http://docs.google.com/javax/swing/border/AbstractBorder.html#getInteriorRectangle(java.awt.Component,%20javax.swing.border.Border,%20int,%20int,%20int,%20int)), [getInteriorRectangle](http://docs.google.com/javax/swing/border/AbstractBorder.html#getInteriorRectangle(java.awt.Component,%20int,%20int,%20int,%20int)) |

| **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** |
| --- |

### RAISED

public static final int **RAISED**

Raised bevel type.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.border.BevelBorder.RAISED)

### LOWERED

public static final int **LOWERED**

Lowered bevel type.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.border.BevelBorder.LOWERED)

### bevelType

protected int **bevelType**

### highlightOuter

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

### highlightInner

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

### shadowInner

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

### shadowOuter

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

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

### BevelBorder

public **BevelBorder**(int bevelType)

Creates a bevel border with the specified type and whose colors will be derived from the background color of the component passed into the paintBorder method.

**Parameters:**bevelType - the type of bevel for the border

### BevelBorder

public **BevelBorder**(int bevelType,  
 [Color](http://docs.google.com/java/awt/Color.html) highlight,  
 [Color](http://docs.google.com/java/awt/Color.html) shadow)

Creates a bevel border with the specified type, highlight and shadow colors.

**Parameters:**bevelType - the type of bevel for the borderhighlight - the color to use for the bevel highlightshadow - the color to use for the bevel shadow

### BevelBorder

public **BevelBorder**(int bevelType,  
 [Color](http://docs.google.com/java/awt/Color.html) highlightOuterColor,  
 [Color](http://docs.google.com/java/awt/Color.html) highlightInnerColor,  
 [Color](http://docs.google.com/java/awt/Color.html) shadowOuterColor,  
 [Color](http://docs.google.com/java/awt/Color.html) shadowInnerColor)

Creates a bevel border with the specified type, highlight and shadow colors.

Note: The shadow inner and outer colors are switched for a lowered bevel border.

**Parameters:**bevelType - the type of bevel for the borderhighlightOuterColor - the color to use for the bevel outer highlighthighlightInnerColor - the color to use for the bevel inner highlightshadowOuterColor - the color to use for the bevel outer shadowshadowInnerColor - the color to use for the bevel inner shadow

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

### paintBorder

public void **paintBorder**([Component](http://docs.google.com/java/awt/Component.html) c,  
 [Graphics](http://docs.google.com/java/awt/Graphics.html) g,  
 int x,  
 int y,  
 int width,  
 int height)

Paints the border for the specified component with the specified position and size.

**Specified by:**[paintBorder](http://docs.google.com/javax/swing/border/Border.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int)) in interface [Border](http://docs.google.com/javax/swing/border/Border.html)**Overrides:**[paintBorder](http://docs.google.com/javax/swing/border/AbstractBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int)) in class [AbstractBorder](http://docs.google.com/javax/swing/border/AbstractBorder.html) **Parameters:**c - the component for which this border is being paintedg - the paint graphicsx - the x position of the painted bordery - the y position of the painted borderwidth - the width of the painted borderheight - the height of the painted border

### getBorderInsets

public [Insets](http://docs.google.com/java/awt/Insets.html) **getBorderInsets**([Component](http://docs.google.com/java/awt/Component.html) c)

Returns the insets of the border.

**Specified by:**[getBorderInsets](http://docs.google.com/javax/swing/border/Border.html#getBorderInsets(java.awt.Component)) in interface [Border](http://docs.google.com/javax/swing/border/Border.html)**Overrides:**[getBorderInsets](http://docs.google.com/javax/swing/border/AbstractBorder.html#getBorderInsets(java.awt.Component)) in class [AbstractBorder](http://docs.google.com/javax/swing/border/AbstractBorder.html) **Parameters:**c - the component for which this border insets value applies **Returns:**the new Insets object initialized to 0

### getBorderInsets

public [Insets](http://docs.google.com/java/awt/Insets.html) **getBorderInsets**([Component](http://docs.google.com/java/awt/Component.html) c,  
 [Insets](http://docs.google.com/java/awt/Insets.html) insets)

Reinitialize the insets parameter with this Border's current Insets.

**Overrides:**[getBorderInsets](http://docs.google.com/javax/swing/border/AbstractBorder.html#getBorderInsets(java.awt.Component,%20java.awt.Insets)) in class [AbstractBorder](http://docs.google.com/javax/swing/border/AbstractBorder.html) **Parameters:**c - the component for which this border insets value appliesinsets - the object to be reinitialized **Returns:**the insets object

### getHighlightOuterColor

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

Returns the outer highlight color of the bevel border when rendered on the specified component. If no highlight color was specified at instantiation, the highlight color is derived from the specified component's background color.

**Parameters:**c - the component for which the highlight may be derived**Since:** 1.3

### getHighlightInnerColor

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

Returns the inner highlight color of the bevel border when rendered on the specified component. If no highlight color was specified at instantiation, the highlight color is derived from the specified component's background color.

**Parameters:**c - the component for which the highlight may be derived**Since:** 1.3

### getShadowInnerColor

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

Returns the inner shadow color of the bevel border when rendered on the specified component. If no shadow color was specified at instantiation, the shadow color is derived from the specified component's background color.

**Parameters:**c - the component for which the shadow may be derived**Since:** 1.3

### getShadowOuterColor

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

Returns the outer shadow color of the bevel border when rendered on the specified component. If no shadow color was specified at instantiation, the shadow color is derived from the specified component's background color.

**Parameters:**c - the component for which the shadow may be derived**Since:** 1.3

### getHighlightOuterColor

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

Returns the outer highlight color of the bevel border. Will return null if no highlight color was specified at instantiation.

**Since:** 1.3

### getHighlightInnerColor

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

Returns the inner highlight color of the bevel border. Will return null if no highlight color was specified at instantiation.

**Since:** 1.3

### getShadowInnerColor

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

Returns the inner shadow color of the bevel border. Will return null if no shadow color was specified at instantiation.

**Since:** 1.3

### getShadowOuterColor

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

Returns the outer shadow color of the bevel border. Will return null if no shadow color was specified at instantiation.

**Since:** 1.3

### getBevelType

public int **getBevelType**()

Returns the type of the bevel border.

### isBorderOpaque

public boolean **isBorderOpaque**()

Returns whether or not the border is opaque.

**Specified by:**[isBorderOpaque](http://docs.google.com/javax/swing/border/Border.html#isBorderOpaque()) in interface [Border](http://docs.google.com/javax/swing/border/Border.html)**Overrides:**[isBorderOpaque](http://docs.google.com/javax/swing/border/AbstractBorder.html#isBorderOpaque()) in class [AbstractBorder](http://docs.google.com/javax/swing/border/AbstractBorder.html) **Returns:**false

### paintRaisedBevel

protected void **paintRaisedBevel**([Component](http://docs.google.com/java/awt/Component.html) c,  
 [Graphics](http://docs.google.com/java/awt/Graphics.html) g,  
 int x,  
 int y,  
 int width,  
 int height)

### paintLoweredBevel

protected void **paintLoweredBevel**([Component](http://docs.google.com/java/awt/Component.html) c,  
 [Graphics](http://docs.google.com/java/awt/Graphics.html) g,  
 int x,  
 int y,  
 int width,  
 int height)

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/BevelBorder.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/border/AbstractBorder.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/border/Border.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/border/BevelBorder.html)    [**NO FRAMES**](http://docs.google.com/BevelBorder.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#4d34og8) | [CONSTR](#44sinio) | [METHOD](#1y810tw) |

[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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