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

## **javax.swing.border**

Interface Border

**All Known Implementing Classes:** [AbstractBorder](http://docs.google.com/javax/swing/border/AbstractBorder.html), [BasicBorders.ButtonBorder](http://docs.google.com/javax/swing/plaf/basic/BasicBorders.ButtonBorder.html), [BasicBorders.FieldBorder](http://docs.google.com/javax/swing/plaf/basic/BasicBorders.FieldBorder.html), [BasicBorders.MarginBorder](http://docs.google.com/javax/swing/plaf/basic/BasicBorders.MarginBorder.html), [BasicBorders.MenuBarBorder](http://docs.google.com/javax/swing/plaf/basic/BasicBorders.MenuBarBorder.html), [BasicBorders.RadioButtonBorder](http://docs.google.com/javax/swing/plaf/basic/BasicBorders.RadioButtonBorder.html), [BasicBorders.RolloverButtonBorder](http://docs.google.com/javax/swing/plaf/basic/BasicBorders.RolloverButtonBorder.html), [BasicBorders.SplitPaneBorder](http://docs.google.com/javax/swing/plaf/basic/BasicBorders.SplitPaneBorder.html), [BasicBorders.ToggleButtonBorder](http://docs.google.com/javax/swing/plaf/basic/BasicBorders.ToggleButtonBorder.html), [BevelBorder](http://docs.google.com/javax/swing/border/BevelBorder.html), [BorderUIResource](http://docs.google.com/javax/swing/plaf/BorderUIResource.html), [BorderUIResource.BevelBorderUIResource](http://docs.google.com/javax/swing/plaf/BorderUIResource.BevelBorderUIResource.html), [BorderUIResource.CompoundBorderUIResource](http://docs.google.com/javax/swing/plaf/BorderUIResource.CompoundBorderUIResource.html), [BorderUIResource.EmptyBorderUIResource](http://docs.google.com/javax/swing/plaf/BorderUIResource.EmptyBorderUIResource.html), [BorderUIResource.EtchedBorderUIResource](http://docs.google.com/javax/swing/plaf/BorderUIResource.EtchedBorderUIResource.html), [BorderUIResource.LineBorderUIResource](http://docs.google.com/javax/swing/plaf/BorderUIResource.LineBorderUIResource.html), [BorderUIResource.MatteBorderUIResource](http://docs.google.com/javax/swing/plaf/BorderUIResource.MatteBorderUIResource.html), [BorderUIResource.TitledBorderUIResource](http://docs.google.com/javax/swing/plaf/BorderUIResource.TitledBorderUIResource.html), [CompoundBorder](http://docs.google.com/javax/swing/border/CompoundBorder.html), [EmptyBorder](http://docs.google.com/javax/swing/border/EmptyBorder.html), [EtchedBorder](http://docs.google.com/javax/swing/border/EtchedBorder.html), [LineBorder](http://docs.google.com/javax/swing/border/LineBorder.html), [MatteBorder](http://docs.google.com/javax/swing/border/MatteBorder.html), [MetalBorders.ButtonBorder](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.ButtonBorder.html), [MetalBorders.Flush3DBorder](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.Flush3DBorder.html), [MetalBorders.InternalFrameBorder](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.InternalFrameBorder.html), [MetalBorders.MenuBarBorder](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.MenuBarBorder.html), [MetalBorders.MenuItemBorder](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.MenuItemBorder.html), [MetalBorders.OptionDialogBorder](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.OptionDialogBorder.html), [MetalBorders.PaletteBorder](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.PaletteBorder.html), [MetalBorders.PopupMenuBorder](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.PopupMenuBorder.html), [MetalBorders.RolloverButtonBorder](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.RolloverButtonBorder.html), [MetalBorders.ScrollPaneBorder](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.ScrollPaneBorder.html), [MetalBorders.TableHeaderBorder](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.TableHeaderBorder.html), [MetalBorders.TextFieldBorder](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.TextFieldBorder.html), [MetalBorders.ToggleButtonBorder](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.ToggleButtonBorder.html), [MetalBorders.ToolBarBorder](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.ToolBarBorder.html), [SoftBevelBorder](http://docs.google.com/javax/swing/border/SoftBevelBorder.html), [TitledBorder](http://docs.google.com/javax/swing/border/TitledBorder.html)

public interface **Border**

Interface describing an object capable of rendering a border around the edges of a swing component. For examples of using borders see [How to Use Borders](http://java.sun.com/docs/books/tutorial/uiswing/misc/border.html), a section in *The Java Tutorial.*

In the Swing component set, borders supercede Insets as the mechanism for creating a (decorated or plain) area around the edge of a component.

Usage Notes:

* Use EmptyBorder to create a plain border (this mechanism replaces its predecessor, setInsets).
* Use CompoundBorder to nest multiple border objects, creating a single, combined border.
* Border instances are designed to be shared. Rather than creating a new border object using one of border classes, use the BorderFactory methods, which produces a shared instance of the common border types.
* Additional border styles include BevelBorder, SoftBevelBorder, EtchedBorder, LineBorder, TitledBorder, and MatteBorder.
* To create a new border class, subclass AbstractBorder.

**See Also:**[BorderFactory](http://docs.google.com/javax/swing/BorderFactory.html), [EmptyBorder](http://docs.google.com/javax/swing/border/EmptyBorder.html), [CompoundBorder](http://docs.google.com/javax/swing/border/CompoundBorder.html)

| **Method Summary** | |
| --- | --- |
| [Insets](http://docs.google.com/java/awt/Insets.html) | [**getBorderInsets**](http://docs.google.com/javax/swing/border/Border.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the insets of the border. |
| boolean | [**isBorderOpaque**](http://docs.google.com/javax/swing/border/Border.html#isBorderOpaque())()            Returns whether or not the border is opaque. |
| void | [**paintBorder**](http://docs.google.com/javax/swing/border/Border.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. |

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

### paintBorder

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.

**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

[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.

**Parameters:**c - the component for which this border insets value applies

### isBorderOpaque

boolean **isBorderOpaque**()

Returns whether or not the border is opaque. If the border is opaque, it is responsible for filling in it's own background when painting.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Border.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/BevelBorder.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/border/CompoundBorder.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/border/Border.html)    [**NO FRAMES**](http://docs.google.com/Border.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
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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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