| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/CompoundBorder.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/Border.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/border/EmptyBorder.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/border/CompoundBorder.html)    [**NO FRAMES**](http://docs.google.com/CompoundBorder.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#4d34og8) | [CONSTR](#3rdcrjn) | [METHOD](#35nkun2) |

## **javax.swing.border**

Class CompoundBorder

[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.CompoundBorder**

**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.CompoundBorderUIResource](http://docs.google.com/javax/swing/plaf/BorderUIResource.CompoundBorderUIResource.html)

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

A composite Border class used to compose two Border objects into a single border by nesting an inside Border object within the insets of an outside Border object. For example, this class may be used to add blank margin space to a component with an existing decorative border:

Border border = comp.getBorder();  
 Border margin = new EmptyBorder(10,10,10,10);  
 comp.setBorder(new CompoundBorder(border, margin));

**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  [Border](http://docs.google.com/javax/swing/border/Border.html) | [**insideBorder**](http://docs.google.com/javax/swing/border/CompoundBorder.html#insideBorder) |
| protected  [Border](http://docs.google.com/javax/swing/border/Border.html) | [**outsideBorder**](http://docs.google.com/javax/swing/border/CompoundBorder.html#outsideBorder) |

| **Constructor Summary** | |
| --- | --- |
| [**CompoundBorder**](http://docs.google.com/javax/swing/border/CompoundBorder.html#CompoundBorder())()            Creates a compound border with null outside and inside borders. |
| [**CompoundBorder**](http://docs.google.com/javax/swing/border/CompoundBorder.html#CompoundBorder(javax.swing.border.Border,%20javax.swing.border.Border))([Border](http://docs.google.com/javax/swing/border/Border.html) outsideBorder, [Border](http://docs.google.com/javax/swing/border/Border.html) insideBorder)            Creates a compound border with the specified outside and inside borders. |

| **Method Summary** | |
| --- | --- |
| [Insets](http://docs.google.com/java/awt/Insets.html) | [**getBorderInsets**](http://docs.google.com/javax/swing/border/CompoundBorder.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the insets of the composite border by adding the insets of the outside border to the insets of the inside border. |
| [Insets](http://docs.google.com/java/awt/Insets.html) | [**getBorderInsets**](http://docs.google.com/javax/swing/border/CompoundBorder.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. |
| [Border](http://docs.google.com/javax/swing/border/Border.html) | [**getInsideBorder**](http://docs.google.com/javax/swing/border/CompoundBorder.html#getInsideBorder())()            Returns the inside border object. |
| [Border](http://docs.google.com/javax/swing/border/Border.html) | [**getOutsideBorder**](http://docs.google.com/javax/swing/border/CompoundBorder.html#getOutsideBorder())()            Returns the outside border object. |
| boolean | [**isBorderOpaque**](http://docs.google.com/javax/swing/border/CompoundBorder.html#isBorderOpaque())()            Returns whether or not this compound border is opaque. |
| void | [**paintBorder**](http://docs.google.com/javax/swing/border/CompoundBorder.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 compound border by painting the outside border with the specified position and size and then painting the inside border at the specified position and size offset by the insets of the outside border. |

| **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** |
| --- |

### outsideBorder

protected [Border](http://docs.google.com/javax/swing/border/Border.html) **outsideBorder**

### insideBorder

protected [Border](http://docs.google.com/javax/swing/border/Border.html) **insideBorder**

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

### CompoundBorder

public **CompoundBorder**()

Creates a compound border with null outside and inside borders.

### CompoundBorder

public **CompoundBorder**([Border](http://docs.google.com/javax/swing/border/Border.html) outsideBorder,  
 [Border](http://docs.google.com/javax/swing/border/Border.html) insideBorder)

Creates a compound border with the specified outside and inside borders. Either border may be null.

**Parameters:**outsideBorder - the outside borderinsideBorder - the inside border to be nested

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

### isBorderOpaque

public boolean **isBorderOpaque**()

Returns whether or not this compound border is opaque. Returns true if both the inside and outside borders are non-null and opaque; returns false otherwise.

**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

### 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 compound border by painting the outside border with the specified position and size and then painting the inside border at the specified position and size offset by the insets of the outside border.

**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,  
 [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

### 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 composite border by adding the insets of the outside border to the insets of the inside 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

### getOutsideBorder

public [Border](http://docs.google.com/javax/swing/border/Border.html) **getOutsideBorder**()

Returns the outside border object.

### getInsideBorder

public [Border](http://docs.google.com/javax/swing/border/Border.html) **getInsideBorder**()

Returns the inside border object.

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