| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/LineBorder.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/EtchedBorder.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/border/MatteBorder.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/border/LineBorder.html)    [**NO FRAMES**](http://docs.google.com/LineBorder.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#4d34og8) | [CONSTR](#26in1rg) | [METHOD](#44sinio) |

## **javax.swing.border**

Class LineBorder

[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.LineBorder**

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

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

A class which implements a line border of arbitrary thickness and of a single color.

**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  [Color](http://docs.google.com/java/awt/Color.html) | [**lineColor**](http://docs.google.com/javax/swing/border/LineBorder.html#lineColor) |
| protected  boolean | [**roundedCorners**](http://docs.google.com/javax/swing/border/LineBorder.html#roundedCorners) |
| protected  int | [**thickness**](http://docs.google.com/javax/swing/border/LineBorder.html#thickness) |

| **Constructor Summary** | |
| --- | --- |
| [**LineBorder**](http://docs.google.com/javax/swing/border/LineBorder.html#LineBorder(java.awt.Color))([Color](http://docs.google.com/java/awt/Color.html) color)            Creates a line border with the specified color and a thickness = 1. |
| [**LineBorder**](http://docs.google.com/javax/swing/border/LineBorder.html#LineBorder(java.awt.Color,%20int))([Color](http://docs.google.com/java/awt/Color.html) color, int thickness)            Creates a line border with the specified color and thickness. |
| [**LineBorder**](http://docs.google.com/javax/swing/border/LineBorder.html#LineBorder(java.awt.Color,%20int,%20boolean))([Color](http://docs.google.com/java/awt/Color.html) color, int thickness, boolean roundedCorners)            Creates a line border with the specified color, thickness, and corner shape. |

| **Method Summary** | |
| --- | --- |
| static [Border](http://docs.google.com/javax/swing/border/Border.html) | [**createBlackLineBorder**](http://docs.google.com/javax/swing/border/LineBorder.html#createBlackLineBorder())()            Convenience method for getting the Color.black LineBorder of thickness 1. |
| static [Border](http://docs.google.com/javax/swing/border/Border.html) | [**createGrayLineBorder**](http://docs.google.com/javax/swing/border/LineBorder.html#createGrayLineBorder())()            Convenience method for getting the Color.gray LineBorder of thickness 1. |
| [Insets](http://docs.google.com/java/awt/Insets.html) | [**getBorderInsets**](http://docs.google.com/javax/swing/border/LineBorder.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/LineBorder.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) | [**getLineColor**](http://docs.google.com/javax/swing/border/LineBorder.html#getLineColor())()            Returns the color of the border. |
| boolean | [**getRoundedCorners**](http://docs.google.com/javax/swing/border/LineBorder.html#getRoundedCorners())()            Returns whether this border will be drawn with rounded corners. |
| int | [**getThickness**](http://docs.google.com/javax/swing/border/LineBorder.html#getThickness())()            Returns the thickness of the border. |
| boolean | [**isBorderOpaque**](http://docs.google.com/javax/swing/border/LineBorder.html#isBorderOpaque())()            Returns whether or not the border is opaque. |
| void | [**paintBorder**](http://docs.google.com/javax/swing/border/LineBorder.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. |

| **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** |
| --- |

### thickness

protected int **thickness**

### lineColor

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

### roundedCorners

protected boolean **roundedCorners**

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

### LineBorder

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

Creates a line border with the specified color and a thickness = 1.

**Parameters:**color - the color for the border

### LineBorder

public **LineBorder**([Color](http://docs.google.com/java/awt/Color.html) color,  
 int thickness)

Creates a line border with the specified color and thickness.

**Parameters:**color - the color of the borderthickness - the thickness of the border

### LineBorder

public **LineBorder**([Color](http://docs.google.com/java/awt/Color.html) color,  
 int thickness,  
 boolean roundedCorners)

Creates a line border with the specified color, thickness, and corner shape.

**Parameters:**color - the color of the borderthickness - the thickness of the borderroundedCorners - whether or not border corners should be round**Since:** 1.3

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

### createBlackLineBorder

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

Convenience method for getting the Color.black LineBorder of thickness 1.

### createGrayLineBorder

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

Convenience method for getting the Color.gray LineBorder of thickness 1.

### 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

### getLineColor

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

Returns the color of the border.

### getThickness

public int **getThickness**()

Returns the thickness of the border.

### getRoundedCorners

public boolean **getRoundedCorners**()

Returns whether this border will be drawn with rounded corners.

**Since:** 1.3

### 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

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