| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/MatteBorder.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/LineBorder.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/border/SoftBevelBorder.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/border/MatteBorder.html)    [**NO FRAMES**](http://docs.google.com/MatteBorder.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: [FIELD](#2s8eyo1) | [CONSTR](#26in1rg) | [METHOD](#z337ya) |

## **javax.swing.border**

Class MatteBorder

[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.EmptyBorder](http://docs.google.com/javax/swing/border/EmptyBorder.html)  
 **javax.swing.border.MatteBorder**

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

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

A class which provides a matte-like border of either a solid color or a tiled icon.

**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) | [**color**](http://docs.google.com/javax/swing/border/MatteBorder.html#color) |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | [**tileIcon**](http://docs.google.com/javax/swing/border/MatteBorder.html#tileIcon) |

| **Fields inherited from class javax.swing.border.**[**EmptyBorder**](http://docs.google.com/javax/swing/border/EmptyBorder.html) |
| --- |
| [bottom](http://docs.google.com/javax/swing/border/EmptyBorder.html#bottom), [left](http://docs.google.com/javax/swing/border/EmptyBorder.html#left), [right](http://docs.google.com/javax/swing/border/EmptyBorder.html#right), [top](http://docs.google.com/javax/swing/border/EmptyBorder.html#top) |

| **Constructor Summary** | |
| --- | --- |
| [**MatteBorder**](http://docs.google.com/javax/swing/border/MatteBorder.html#MatteBorder(javax.swing.Icon))([Icon](http://docs.google.com/javax/swing/Icon.html) tileIcon)            Creates a matte border with the specified tile icon. |
| [**MatteBorder**](http://docs.google.com/javax/swing/border/MatteBorder.html#MatteBorder(java.awt.Insets,%20java.awt.Color))([Insets](http://docs.google.com/java/awt/Insets.html) borderInsets, [Color](http://docs.google.com/java/awt/Color.html) matteColor)            Creates a matte border with the specified insets and color. |
| [**MatteBorder**](http://docs.google.com/javax/swing/border/MatteBorder.html#MatteBorder(java.awt.Insets,%20javax.swing.Icon))([Insets](http://docs.google.com/java/awt/Insets.html) borderInsets, [Icon](http://docs.google.com/javax/swing/Icon.html) tileIcon)            Creates a matte border with the specified insets and tile icon. |
| [**MatteBorder**](http://docs.google.com/javax/swing/border/MatteBorder.html#MatteBorder(int,%20int,%20int,%20int,%20java.awt.Color))(int top, int left, int bottom, int right, [Color](http://docs.google.com/java/awt/Color.html) matteColor)            Creates a matte border with the specified insets and color. |
| [**MatteBorder**](http://docs.google.com/javax/swing/border/MatteBorder.html#MatteBorder(int,%20int,%20int,%20int,%20javax.swing.Icon))(int top, int left, int bottom, int right, [Icon](http://docs.google.com/javax/swing/Icon.html) tileIcon)            Creates a matte border with the specified insets and tile icon. |

| **Method Summary** | |
| --- | --- |
| [Insets](http://docs.google.com/java/awt/Insets.html) | [**getBorderInsets**](http://docs.google.com/javax/swing/border/MatteBorder.html#getBorderInsets())()            Returns the insets of the border. |
| [Insets](http://docs.google.com/java/awt/Insets.html) | [**getBorderInsets**](http://docs.google.com/javax/swing/border/MatteBorder.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/MatteBorder.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) | [**getMatteColor**](http://docs.google.com/javax/swing/border/MatteBorder.html#getMatteColor())()            Returns the color used for tiling the border or null if a tile icon is being used. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | [**getTileIcon**](http://docs.google.com/javax/swing/border/MatteBorder.html#getTileIcon())()            Returns the icon used for tiling the border or null if a solid color is being used. |
| boolean | [**isBorderOpaque**](http://docs.google.com/javax/swing/border/MatteBorder.html#isBorderOpaque())()            Returns whether or not the border is opaque. |
| void | [**paintBorder**](http://docs.google.com/javax/swing/border/MatteBorder.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 matte 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** |
| --- |

### color

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

### tileIcon

protected [Icon](http://docs.google.com/javax/swing/Icon.html) **tileIcon**

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

### MatteBorder

public **MatteBorder**(int top,  
 int left,  
 int bottom,  
 int right,  
 [Color](http://docs.google.com/java/awt/Color.html) matteColor)

Creates a matte border with the specified insets and color.

**Parameters:**top - the top inset of the borderleft - the left inset of the borderbottom - the bottom inset of the borderright - the right inset of the bordermatteColor - the color rendered for the border

### MatteBorder

public **MatteBorder**([Insets](http://docs.google.com/java/awt/Insets.html) borderInsets,  
 [Color](http://docs.google.com/java/awt/Color.html) matteColor)

Creates a matte border with the specified insets and color.

**Parameters:**borderInsets - the insets of the bordermatteColor - the color rendered for the border**Since:** 1.3

### MatteBorder

public **MatteBorder**(int top,  
 int left,  
 int bottom,  
 int right,  
 [Icon](http://docs.google.com/javax/swing/Icon.html) tileIcon)

Creates a matte border with the specified insets and tile icon.

**Parameters:**top - the top inset of the borderleft - the left inset of the borderbottom - the bottom inset of the borderright - the right inset of the bordertileIcon - the icon to be used for tiling the border

### MatteBorder

public **MatteBorder**([Insets](http://docs.google.com/java/awt/Insets.html) borderInsets,  
 [Icon](http://docs.google.com/javax/swing/Icon.html) tileIcon)

Creates a matte border with the specified insets and tile icon.

**Parameters:**borderInsets - the insets of the bordertileIcon - the icon to be used for tiling the border**Since:** 1.3

### MatteBorder

public **MatteBorder**([Icon](http://docs.google.com/javax/swing/Icon.html) tileIcon)

Creates a matte border with the specified tile icon. The insets will be calculated dynamically based on the size of the tile icon, where the top and bottom will be equal to the tile icon's height, and the left and right will be equal to the tile icon's width.

**Parameters:**tileIcon - the icon to be used for tiling the border

| **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 matte 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/EmptyBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int)) in class [EmptyBorder](http://docs.google.com/javax/swing/border/EmptyBorder.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/EmptyBorder.html#getBorderInsets(java.awt.Component)) in class [EmptyBorder](http://docs.google.com/javax/swing/border/EmptyBorder.html) **Parameters:**c - the component for which this border insets value applies **Returns:**the new Insets object initialized to 0**Since:** 1.3

### 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/EmptyBorder.html#getBorderInsets(java.awt.Component,%20java.awt.Insets)) in class [EmptyBorder](http://docs.google.com/javax/swing/border/EmptyBorder.html) **Parameters:**c - the component for which this border insets value appliesinsets - the object to be reinitialized **Returns:**the insets object**Since:** 1.3

### getBorderInsets

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

Returns the insets of the border.

**Overrides:**[getBorderInsets](http://docs.google.com/javax/swing/border/EmptyBorder.html#getBorderInsets()) in class [EmptyBorder](http://docs.google.com/javax/swing/border/EmptyBorder.html) **Since:** 1.3

### getMatteColor

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

Returns the color used for tiling the border or null if a tile icon is being used.

**Since:** 1.3

### getTileIcon

public [Icon](http://docs.google.com/javax/swing/Icon.html) **getTileIcon**()

Returns the icon used for tiling the border or null if a solid color is being used.

**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/EmptyBorder.html#isBorderOpaque()) in class [EmptyBorder](http://docs.google.com/javax/swing/border/EmptyBorder.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/MatteBorder.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/LineBorder.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/border/SoftBevelBorder.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/border/MatteBorder.html)    [**NO FRAMES**](http://docs.google.com/MatteBorder.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: [FIELD](#2s8eyo1) | [CONSTR](#26in1rg) | [METHOD](#z337ya) |

[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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