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

## **javax.swing.table**

Interface TableCellRenderer

**All Known Implementing Classes:** [DefaultTableCellRenderer](http://docs.google.com/javax/swing/table/DefaultTableCellRenderer.html), [DefaultTableCellRenderer.UIResource](http://docs.google.com/javax/swing/table/DefaultTableCellRenderer.UIResource.html)

public interface **TableCellRenderer**

This interface defines the method required by any object that would like to be a renderer for cells in a JTable.

| **Method Summary** | |
| --- | --- |
| [Component](http://docs.google.com/java/awt/Component.html) | [**getTableCellRendererComponent**](http://docs.google.com/javax/swing/table/TableCellRenderer.html#getTableCellRendererComponent(javax.swing.JTable,%20java.lang.Object,%20boolean,%20boolean,%20int,%20int))([JTable](http://docs.google.com/javax/swing/JTable.html) table, [Object](http://docs.google.com/java/lang/Object.html) value, boolean isSelected, boolean hasFocus, int row, int column)            Returns the component used for drawing the cell. |

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

### getTableCellRendererComponent

[Component](http://docs.google.com/java/awt/Component.html) **getTableCellRendererComponent**([JTable](http://docs.google.com/javax/swing/JTable.html) table,  
 [Object](http://docs.google.com/java/lang/Object.html) value,  
 boolean isSelected,  
 boolean hasFocus,  
 int row,  
 int column)

Returns the component used for drawing the cell. This method is used to configure the renderer appropriately before drawing.

The TableCellRenderer is also responsible for rendering the the cell representing the table's current DnD drop location if it has one. If this renderer cares about rendering the DnD drop location, it should query the table directly to see if the given row and column represent the drop location:

JTable.DropLocation dropLocation = table.getDropLocation();  
 if (dropLocation != null  
 && !dropLocation.isInsertRow()  
 && !dropLocation.isInsertColumn()  
 && dropLocation.getRow() == row  
 && dropLocation.getColumn() == column) {  
  
 // this cell represents the current drop location  
 // so render it specially, perhaps with a different color  
 }

During a printing operation, this method will be called with isSelected and hasFocus values of false to prevent selection and focus from appearing in the printed output. To do other customization based on whether or not the table is being printed, check the return value from [JComponent.isPaintingForPrint()](http://docs.google.com/javax/swing/JComponent.html#isPaintingForPrint()).

**Parameters:**table - the JTable that is asking the renderer to draw; can be nullvalue - the value of the cell to be rendered. It is up to the specific renderer to interpret and draw the value. For example, if value is the string "true", it could be rendered as a string or it could be rendered as a check box that is checked. null is a valid valueisSelected - true if the cell is to be rendered with the selection highlighted; otherwise falsehasFocus - if true, render cell appropriately. For example, put a special border on the cell, if the cell can be edited, render in the color used to indicate editingrow - the row index of the cell being drawn. When drawing the header, the value of row is -1column - the column index of the cell being drawn**See Also:**[JComponent.isPaintingForPrint()](http://docs.google.com/javax/swing/JComponent.html#isPaintingForPrint())

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

[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.

Copyright 2006 Sun Microsystems, Inc. All rights reserved. Use is subject to [license terms](http://docs.google.com/legal/license.html). Also see the [documentation redistribution policy](http://java.sun.com/docs/redist.html).