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

## **java.awt**

Interface PaintContext

public interface **PaintContext**

The PaintContext interface defines the encapsulated and optimized environment to generate color patterns in device space for fill or stroke operations on a [Graphics2D](http://docs.google.com/java/awt/Graphics2D.html). The PaintContext provides the necessary colors for Graphics2D operations in the form of a [Raster](http://docs.google.com/java/awt/image/Raster.html) associated with a [ColorModel](http://docs.google.com/java/awt/image/ColorModel.html). The PaintContext maintains state for a particular paint operation. In a multi-threaded environment, several contexts can exist simultaneously for a single [Paint](http://docs.google.com/java/awt/Paint.html) object.

**See Also:**[Paint](http://docs.google.com/java/awt/Paint.html)

| **Method Summary** | |
| --- | --- |
| void | [**dispose**](http://docs.google.com/java/awt/PaintContext.html#dispose())()            Releases the resources allocated for the operation. |
| [ColorModel](http://docs.google.com/java/awt/image/ColorModel.html) | [**getColorModel**](http://docs.google.com/java/awt/PaintContext.html#getColorModel())()            Returns the ColorModel of the output. |
| [Raster](http://docs.google.com/java/awt/image/Raster.html) | [**getRaster**](http://docs.google.com/java/awt/PaintContext.html#getRaster(int,%20int,%20int,%20int))(int x, int y, int w, int h)            Returns a Raster containing the colors generated for the graphics operation. |

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

### dispose

void **dispose**()

Releases the resources allocated for the operation.

### getColorModel

[ColorModel](http://docs.google.com/java/awt/image/ColorModel.html) **getColorModel**()

Returns the ColorModel of the output. Note that this ColorModel might be different from the hint specified in the [createContext](http://docs.google.com/java/awt/Paint.html#createContext(java.awt.image.ColorModel,%20java.awt.Rectangle,%20java.awt.geom.Rectangle2D,%20java.awt.geom.AffineTransform,%20java.awt.RenderingHints)) method of Paint. Not all PaintContext objects are capable of generating color patterns in an arbitrary ColorModel.

**Returns:**the ColorModel of the output.

### getRaster

[Raster](http://docs.google.com/java/awt/image/Raster.html) **getRaster**(int x,  
 int y,  
 int w,  
 int h)

Returns a Raster containing the colors generated for the graphics operation.

**Parameters:**x - the x coordinate of the area in device space for which colors are generated.y - the y coordinate of the area in device space for which colors are generated.w - the width of the area in device spaceh - the height of the area in device space **Returns:**a Raster representing the specified rectangular area and containing the colors generated for the graphics operation.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/PaintContext.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*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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| 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.

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