| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/awt/RenderingHints.html) | **Use** | [**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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| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/awt//class-useRenderingHints.html)    [**NO FRAMES**](http://docs.google.com/RenderingHints.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**java.awt.RenderingHints**

| Packages that use [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) | |
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| [**java.awt**](#3znysh7) | Contains all of the classes for creating user interfaces and for painting graphics and images. |
| [**java.awt.image**](#2et92p0) | Provides classes for creating and modifying images. |
| [**java.awt.image.renderable**](#tyjcwt) | Provides classes and interfaces for producing rendering-independent images. |

| Uses of [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) in [java.awt](http://docs.google.com/java/awt/package-summary.html) | |
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| Methods in [java.awt](http://docs.google.com/java/awt/package-summary.html) that return [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) | |
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| abstract  [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) | **Graphics2D.**[**getRenderingHints**](http://docs.google.com/java/awt/Graphics2D.html#getRenderingHints())()            Gets the preferences for the rendering algorithms. |

| Methods in [java.awt](http://docs.google.com/java/awt/package-summary.html) with parameters of type [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) | |
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| void | **RenderingHints.**[**add**](http://docs.google.com/java/awt/RenderingHints.html#add(java.awt.RenderingHints))([RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) hints)            Adds all of the keys and corresponding values from the specified RenderingHints object to this RenderingHints object. |
| [CompositeContext](http://docs.google.com/java/awt/CompositeContext.html) | **AlphaComposite.**[**createContext**](http://docs.google.com/java/awt/AlphaComposite.html#createContext(java.awt.image.ColorModel,%20java.awt.image.ColorModel,%20java.awt.RenderingHints))([ColorModel](http://docs.google.com/java/awt/image/ColorModel.html) srcColorModel, [ColorModel](http://docs.google.com/java/awt/image/ColorModel.html) dstColorModel, [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) hints)            Creates a context for the compositing operation. |
| [CompositeContext](http://docs.google.com/java/awt/CompositeContext.html) | **Composite.**[**createContext**](http://docs.google.com/java/awt/Composite.html#createContext(java.awt.image.ColorModel,%20java.awt.image.ColorModel,%20java.awt.RenderingHints))([ColorModel](http://docs.google.com/java/awt/image/ColorModel.html) srcColorModel, [ColorModel](http://docs.google.com/java/awt/image/ColorModel.html) dstColorModel, [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) hints)            Creates a context containing state that is used to perform the compositing operation. |
| [PaintContext](http://docs.google.com/java/awt/PaintContext.html) | **LinearGradientPaint.**[**createContext**](http://docs.google.com/java/awt/LinearGradientPaint.html#createContext(java.awt.image.ColorModel,%20java.awt.Rectangle,%20java.awt.geom.Rectangle2D,%20java.awt.geom.AffineTransform,%20java.awt.RenderingHints))([ColorModel](http://docs.google.com/java/awt/image/ColorModel.html) cm, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) deviceBounds, [Rectangle2D](http://docs.google.com/java/awt/geom/Rectangle2D.html) userBounds, [AffineTransform](http://docs.google.com/java/awt/geom/AffineTransform.html) transform, [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) hints)            Creates and returns a [PaintContext](http://docs.google.com/java/awt/PaintContext.html) used to generate the color pattern. |
| [PaintContext](http://docs.google.com/java/awt/PaintContext.html) | **TexturePaint.**[**createContext**](http://docs.google.com/java/awt/TexturePaint.html#createContext(java.awt.image.ColorModel,%20java.awt.Rectangle,%20java.awt.geom.Rectangle2D,%20java.awt.geom.AffineTransform,%20java.awt.RenderingHints))([ColorModel](http://docs.google.com/java/awt/image/ColorModel.html) cm, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) deviceBounds, [Rectangle2D](http://docs.google.com/java/awt/geom/Rectangle2D.html) userBounds, [AffineTransform](http://docs.google.com/java/awt/geom/AffineTransform.html) xform, [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) hints)            Creates and returns a context used to generate the color pattern. |
| [PaintContext](http://docs.google.com/java/awt/PaintContext.html) | **SystemColor.**[**createContext**](http://docs.google.com/java/awt/SystemColor.html#createContext(java.awt.image.ColorModel,%20java.awt.Rectangle,%20java.awt.geom.Rectangle2D,%20java.awt.geom.AffineTransform,%20java.awt.RenderingHints))([ColorModel](http://docs.google.com/java/awt/image/ColorModel.html) cm, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) r, [Rectangle2D](http://docs.google.com/java/awt/geom/Rectangle2D.html) r2d, [AffineTransform](http://docs.google.com/java/awt/geom/AffineTransform.html) xform, [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) hints)            Creates and returns a PaintContext used to generate a solid color pattern. |
| [PaintContext](http://docs.google.com/java/awt/PaintContext.html) | **RadialGradientPaint.**[**createContext**](http://docs.google.com/java/awt/RadialGradientPaint.html#createContext(java.awt.image.ColorModel,%20java.awt.Rectangle,%20java.awt.geom.Rectangle2D,%20java.awt.geom.AffineTransform,%20java.awt.RenderingHints))([ColorModel](http://docs.google.com/java/awt/image/ColorModel.html) cm, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) deviceBounds, [Rectangle2D](http://docs.google.com/java/awt/geom/Rectangle2D.html) userBounds, [AffineTransform](http://docs.google.com/java/awt/geom/AffineTransform.html) transform, [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) hints)            Creates and returns a [PaintContext](http://docs.google.com/java/awt/PaintContext.html) used to generate the color pattern. |
| [PaintContext](http://docs.google.com/java/awt/PaintContext.html) | **GradientPaint.**[**createContext**](http://docs.google.com/java/awt/GradientPaint.html#createContext(java.awt.image.ColorModel,%20java.awt.Rectangle,%20java.awt.geom.Rectangle2D,%20java.awt.geom.AffineTransform,%20java.awt.RenderingHints))([ColorModel](http://docs.google.com/java/awt/image/ColorModel.html) cm, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) deviceBounds, [Rectangle2D](http://docs.google.com/java/awt/geom/Rectangle2D.html) userBounds, [AffineTransform](http://docs.google.com/java/awt/geom/AffineTransform.html) xform, [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) hints)            Creates and returns a context used to generate the color pattern. |
| [PaintContext](http://docs.google.com/java/awt/PaintContext.html) | **Paint.**[**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))([ColorModel](http://docs.google.com/java/awt/image/ColorModel.html) cm, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) deviceBounds, [Rectangle2D](http://docs.google.com/java/awt/geom/Rectangle2D.html) userBounds, [AffineTransform](http://docs.google.com/java/awt/geom/AffineTransform.html) xform, [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) hints)            Creates and returns a [PaintContext](http://docs.google.com/java/awt/PaintContext.html) used to generate the color pattern. |
| [PaintContext](http://docs.google.com/java/awt/PaintContext.html) | **Color.**[**createContext**](http://docs.google.com/java/awt/Color.html#createContext(java.awt.image.ColorModel,%20java.awt.Rectangle,%20java.awt.geom.Rectangle2D,%20java.awt.geom.AffineTransform,%20java.awt.RenderingHints))([ColorModel](http://docs.google.com/java/awt/image/ColorModel.html) cm, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) r, [Rectangle2D](http://docs.google.com/java/awt/geom/Rectangle2D.html) r2d, [AffineTransform](http://docs.google.com/java/awt/geom/AffineTransform.html) xform, [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) hints)            Creates and returns a [PaintContext](http://docs.google.com/java/awt/PaintContext.html) used to generate a solid color pattern. |

| Uses of [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) in [java.awt.image](http://docs.google.com/java/awt/image/package-summary.html) | |
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| Methods in [java.awt.image](http://docs.google.com/java/awt/image/package-summary.html) that return [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) | |
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| [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) | **RescaleOp.**[**getRenderingHints**](http://docs.google.com/java/awt/image/RescaleOp.html#getRenderingHints())()            Returns the rendering hints for this op. |
| [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) | **LookupOp.**[**getRenderingHints**](http://docs.google.com/java/awt/image/LookupOp.html#getRenderingHints())()            Returns the rendering hints for this op. |
| [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) | **ConvolveOp.**[**getRenderingHints**](http://docs.google.com/java/awt/image/ConvolveOp.html#getRenderingHints())()            Returns the rendering hints for this op. |
| [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) | **ColorConvertOp.**[**getRenderingHints**](http://docs.google.com/java/awt/image/ColorConvertOp.html#getRenderingHints())()            Returns the rendering hints used by this op. |
| [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) | **BandCombineOp.**[**getRenderingHints**](http://docs.google.com/java/awt/image/BandCombineOp.html#getRenderingHints())()            Returns the rendering hints for this operation. |
| [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) | **RasterOp.**[**getRenderingHints**](http://docs.google.com/java/awt/image/RasterOp.html#getRenderingHints())()            Returns the rendering hints for this RasterOp. |
| [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) | **AffineTransformOp.**[**getRenderingHints**](http://docs.google.com/java/awt/image/AffineTransformOp.html#getRenderingHints())()            Returns the rendering hints used by this transform operation. |
| [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) | **BufferedImageOp.**[**getRenderingHints**](http://docs.google.com/java/awt/image/BufferedImageOp.html#getRenderingHints())()            Returns the rendering hints for this operation. |

| Constructors in [java.awt.image](http://docs.google.com/java/awt/image/package-summary.html) with parameters of type [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) | |
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| [**AffineTransformOp**](http://docs.google.com/java/awt/image/AffineTransformOp.html#AffineTransformOp(java.awt.geom.AffineTransform,%20java.awt.RenderingHints))([AffineTransform](http://docs.google.com/java/awt/geom/AffineTransform.html) xform, [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) hints)            Constructs an AffineTransformOp given an affine transform. |
| [**BandCombineOp**](http://docs.google.com/java/awt/image/BandCombineOp.html#BandCombineOp(float%5B%5D%5B%5D,%20java.awt.RenderingHints))(float[][] matrix, [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) hints)            Constructs a BandCombineOp with the specified matrix. |
| [**ColorConvertOp**](http://docs.google.com/java/awt/image/ColorConvertOp.html#ColorConvertOp(java.awt.color.ColorSpace,%20java.awt.color.ColorSpace,%20java.awt.RenderingHints))([ColorSpace](http://docs.google.com/java/awt/color/ColorSpace.html) srcCspace, [ColorSpace](http://docs.google.com/java/awt/color/ColorSpace.html) dstCspace, [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) hints)            Constructs a new ColorConvertOp from two ColorSpace objects. |
| [**ColorConvertOp**](http://docs.google.com/java/awt/image/ColorConvertOp.html#ColorConvertOp(java.awt.color.ColorSpace,%20java.awt.RenderingHints))([ColorSpace](http://docs.google.com/java/awt/color/ColorSpace.html) cspace, [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) hints)            Constructs a new ColorConvertOp from a ColorSpace object. |
| [**ColorConvertOp**](http://docs.google.com/java/awt/image/ColorConvertOp.html#ColorConvertOp(java.awt.color.ICC_Profile%5B%5D,%20java.awt.RenderingHints))([ICC\_Profile](http://docs.google.com/java/awt/color/ICC_Profile.html)[] profiles, [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) hints)            Constructs a new ColorConvertOp from an array of ICC\_Profiles. |
| [**ColorConvertOp**](http://docs.google.com/java/awt/image/ColorConvertOp.html#ColorConvertOp(java.awt.RenderingHints))([RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) hints)            Constructs a new ColorConvertOp which will convert from a source color space to a destination color space. |
| [**ConvolveOp**](http://docs.google.com/java/awt/image/ConvolveOp.html#ConvolveOp(java.awt.image.Kernel,%20int,%20java.awt.RenderingHints))([Kernel](http://docs.google.com/java/awt/image/Kernel.html) kernel, int edgeCondition, [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) hints)            Constructs a ConvolveOp given a Kernel, an edge condition, and a RenderingHints object (which may be null). |
| [**LookupOp**](http://docs.google.com/java/awt/image/LookupOp.html#LookupOp(java.awt.image.LookupTable,%20java.awt.RenderingHints))([LookupTable](http://docs.google.com/java/awt/image/LookupTable.html) lookup, [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) hints)            Constructs a LookupOp object given the lookup table and a RenderingHints object, which might be null. |
| [**RescaleOp**](http://docs.google.com/java/awt/image/RescaleOp.html#RescaleOp(float%5B%5D,%20float%5B%5D,%20java.awt.RenderingHints))(float[] scaleFactors, float[] offsets, [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) hints)            Constructs a new RescaleOp with the desired scale factors and offsets. |
| [**RescaleOp**](http://docs.google.com/java/awt/image/RescaleOp.html#RescaleOp(float,%20float,%20java.awt.RenderingHints))(float scaleFactor, float offset, [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) hints)            Constructs a new RescaleOp with the desired scale factor and offset. |

| Uses of [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) in [java.awt.image.renderable](http://docs.google.com/java/awt/image/renderable/package-summary.html) | |
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| Methods in [java.awt.image.renderable](http://docs.google.com/java/awt/image/renderable/package-summary.html) that return [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) | |
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| [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) | **RenderContext.**[**getRenderingHints**](http://docs.google.com/java/awt/image/renderable/RenderContext.html#getRenderingHints())()            Gets the rendering hints of this RenderContext. |

| Methods in [java.awt.image.renderable](http://docs.google.com/java/awt/image/renderable/package-summary.html) with parameters of type [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) | |
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| [RenderedImage](http://docs.google.com/java/awt/image/RenderedImage.html) | **RenderedImageFactory.**[**create**](http://docs.google.com/java/awt/image/renderable/RenderedImageFactory.html#create(java.awt.image.renderable.ParameterBlock,%20java.awt.RenderingHints))([ParameterBlock](http://docs.google.com/java/awt/image/renderable/ParameterBlock.html) paramBlock, [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) hints)            Creates a RenderedImage representing the results of an imaging operation (or chain of operations) for a given ParameterBlock and RenderingHints. |
| [RenderedImage](http://docs.google.com/java/awt/image/RenderedImage.html) | **RenderableImageOp.**[**createScaledRendering**](http://docs.google.com/java/awt/image/renderable/RenderableImageOp.html#createScaledRendering(int,%20int,%20java.awt.RenderingHints))(int w, int h, [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) hints)            Creates a RenderedImage instance of this image with width w, and height h in pixels. |
| [RenderedImage](http://docs.google.com/java/awt/image/RenderedImage.html) | **RenderableImage.**[**createScaledRendering**](http://docs.google.com/java/awt/image/renderable/RenderableImage.html#createScaledRendering(int,%20int,%20java.awt.RenderingHints))(int w, int h, [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) hints)            Creates a RenderedImage instance of this image with width w, and height h in pixels. |
| void | **RenderContext.**[**setRenderingHints**](http://docs.google.com/java/awt/image/renderable/RenderContext.html#setRenderingHints(java.awt.RenderingHints))([RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) hints)            Sets the rendering hints of this RenderContext. |

| Constructors in [java.awt.image.renderable](http://docs.google.com/java/awt/image/renderable/package-summary.html) with parameters of type [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) | |
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| [**RenderContext**](http://docs.google.com/java/awt/image/renderable/RenderContext.html#RenderContext(java.awt.geom.AffineTransform,%20java.awt.RenderingHints))([AffineTransform](http://docs.google.com/java/awt/geom/AffineTransform.html) usr2dev, [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) hints)            Constructs a RenderContext with a given transform and rendering hints. |
| [**RenderContext**](http://docs.google.com/java/awt/image/renderable/RenderContext.html#RenderContext(java.awt.geom.AffineTransform,%20java.awt.Shape,%20java.awt.RenderingHints))([AffineTransform](http://docs.google.com/java/awt/geom/AffineTransform.html) usr2dev, [Shape](http://docs.google.com/java/awt/Shape.html) aoi, [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) hints)            Constructs a RenderContext with a given transform. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/awt/RenderingHints.html) | **Use** | [**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   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/awt//class-useRenderingHints.html)    [**NO FRAMES**](http://docs.google.com/RenderingHints.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[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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