| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | Class | Use | **Tree** | [**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**](http://docs.google.com/java/awt/im/spi/package-tree.html)   [**NEXT**](http://docs.google.com/java/awt/image/renderable/package-tree.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/image/package-tree.html)    [**NO FRAMES**](http://docs.google.com/package-tree.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

Hierarchy For Package java.awt.image

**Package Hierarchies:**[All Packages](http://docs.google.com/overview-tree.html)

## Class Hierarchy

* java.lang.[**Object**](http://docs.google.com/java/lang/Object.html)
  + java.awt.image.[**AffineTransformOp**](http://docs.google.com/java/awt/image/AffineTransformOp.html) (implements java.awt.image.[BufferedImageOp](http://docs.google.com/java/awt/image/BufferedImageOp.html), java.awt.image.[RasterOp](http://docs.google.com/java/awt/image/RasterOp.html))
  + java.awt.image.[**BandCombineOp**](http://docs.google.com/java/awt/image/BandCombineOp.html) (implements java.awt.image.[RasterOp](http://docs.google.com/java/awt/image/RasterOp.html))
  + java.awt.image.[**BufferStrategy**](http://docs.google.com/java/awt/image/BufferStrategy.html)
  + java.awt.image.[**ColorConvertOp**](http://docs.google.com/java/awt/image/ColorConvertOp.html) (implements java.awt.image.[BufferedImageOp](http://docs.google.com/java/awt/image/BufferedImageOp.html), java.awt.image.[RasterOp](http://docs.google.com/java/awt/image/RasterOp.html))
  + java.awt.image.[**ColorModel**](http://docs.google.com/java/awt/image/ColorModel.html) (implements java.awt.[Transparency](http://docs.google.com/java/awt/Transparency.html))
    - java.awt.image.[**ComponentColorModel**](http://docs.google.com/java/awt/image/ComponentColorModel.html)
    - java.awt.image.[**IndexColorModel**](http://docs.google.com/java/awt/image/IndexColorModel.html)
    - java.awt.image.[**PackedColorModel**](http://docs.google.com/java/awt/image/PackedColorModel.html)
      * java.awt.image.[**DirectColorModel**](http://docs.google.com/java/awt/image/DirectColorModel.html)
  + java.awt.image.[**ConvolveOp**](http://docs.google.com/java/awt/image/ConvolveOp.html) (implements java.awt.image.[BufferedImageOp](http://docs.google.com/java/awt/image/BufferedImageOp.html), java.awt.image.[RasterOp](http://docs.google.com/java/awt/image/RasterOp.html))
  + java.awt.image.[**DataBuffer**](http://docs.google.com/java/awt/image/DataBuffer.html)
    - java.awt.image.[**DataBufferByte**](http://docs.google.com/java/awt/image/DataBufferByte.html)
    - java.awt.image.[**DataBufferDouble**](http://docs.google.com/java/awt/image/DataBufferDouble.html)
    - java.awt.image.[**DataBufferFloat**](http://docs.google.com/java/awt/image/DataBufferFloat.html)
    - java.awt.image.[**DataBufferInt**](http://docs.google.com/java/awt/image/DataBufferInt.html)
    - java.awt.image.[**DataBufferShort**](http://docs.google.com/java/awt/image/DataBufferShort.html)
    - java.awt.image.[**DataBufferUShort**](http://docs.google.com/java/awt/image/DataBufferUShort.html)
  + java.awt.image.[**FilteredImageSource**](http://docs.google.com/java/awt/image/FilteredImageSource.html) (implements java.awt.image.[ImageProducer](http://docs.google.com/java/awt/image/ImageProducer.html))
  + java.awt.[**Image**](http://docs.google.com/java/awt/Image.html)
    - java.awt.image.[**BufferedImage**](http://docs.google.com/java/awt/image/BufferedImage.html) (implements java.awt.[Transparency](http://docs.google.com/java/awt/Transparency.html), java.awt.image.[WritableRenderedImage](http://docs.google.com/java/awt/image/WritableRenderedImage.html))
    - java.awt.image.[**VolatileImage**](http://docs.google.com/java/awt/image/VolatileImage.html) (implements java.awt.[Transparency](http://docs.google.com/java/awt/Transparency.html))
  + java.awt.image.[**ImageFilter**](http://docs.google.com/java/awt/image/ImageFilter.html) (implements java.lang.[Cloneable](http://docs.google.com/java/lang/Cloneable.html), java.awt.image.[ImageConsumer](http://docs.google.com/java/awt/image/ImageConsumer.html))
    - java.awt.image.[**BufferedImageFilter**](http://docs.google.com/java/awt/image/BufferedImageFilter.html) (implements java.lang.[Cloneable](http://docs.google.com/java/lang/Cloneable.html))
    - java.awt.image.[**CropImageFilter**](http://docs.google.com/java/awt/image/CropImageFilter.html)
    - java.awt.image.[**ReplicateScaleFilter**](http://docs.google.com/java/awt/image/ReplicateScaleFilter.html)
      * java.awt.image.[**AreaAveragingScaleFilter**](http://docs.google.com/java/awt/image/AreaAveragingScaleFilter.html)
    - java.awt.image.[**RGBImageFilter**](http://docs.google.com/java/awt/image/RGBImageFilter.html)
  + java.awt.image.[**Kernel**](http://docs.google.com/java/awt/image/Kernel.html) (implements java.lang.[Cloneable](http://docs.google.com/java/lang/Cloneable.html))
  + java.awt.image.[**LookupOp**](http://docs.google.com/java/awt/image/LookupOp.html) (implements java.awt.image.[BufferedImageOp](http://docs.google.com/java/awt/image/BufferedImageOp.html), java.awt.image.[RasterOp](http://docs.google.com/java/awt/image/RasterOp.html))
  + java.awt.image.[**LookupTable**](http://docs.google.com/java/awt/image/LookupTable.html)
    - java.awt.image.[**ByteLookupTable**](http://docs.google.com/java/awt/image/ByteLookupTable.html)
    - java.awt.image.[**ShortLookupTable**](http://docs.google.com/java/awt/image/ShortLookupTable.html)
  + java.awt.image.[**MemoryImageSource**](http://docs.google.com/java/awt/image/MemoryImageSource.html) (implements java.awt.image.[ImageProducer](http://docs.google.com/java/awt/image/ImageProducer.html))
  + java.awt.image.[**PixelGrabber**](http://docs.google.com/java/awt/image/PixelGrabber.html) (implements java.awt.image.[ImageConsumer](http://docs.google.com/java/awt/image/ImageConsumer.html))
  + java.awt.image.[**Raster**](http://docs.google.com/java/awt/image/Raster.html)
    - java.awt.image.[**WritableRaster**](http://docs.google.com/java/awt/image/WritableRaster.html)
  + java.awt.image.[**RescaleOp**](http://docs.google.com/java/awt/image/RescaleOp.html) (implements java.awt.image.[BufferedImageOp](http://docs.google.com/java/awt/image/BufferedImageOp.html), java.awt.image.[RasterOp](http://docs.google.com/java/awt/image/RasterOp.html))
  + java.awt.image.[**SampleModel**](http://docs.google.com/java/awt/image/SampleModel.html)
    - java.awt.image.[**ComponentSampleModel**](http://docs.google.com/java/awt/image/ComponentSampleModel.html)
      * java.awt.image.[**BandedSampleModel**](http://docs.google.com/java/awt/image/BandedSampleModel.html)
      * java.awt.image.[**PixelInterleavedSampleModel**](http://docs.google.com/java/awt/image/PixelInterleavedSampleModel.html)
    - java.awt.image.[**MultiPixelPackedSampleModel**](http://docs.google.com/java/awt/image/MultiPixelPackedSampleModel.html)
    - java.awt.image.[**SinglePixelPackedSampleModel**](http://docs.google.com/java/awt/image/SinglePixelPackedSampleModel.html)
  + java.lang.[**Throwable**](http://docs.google.com/java/lang/Throwable.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
    - java.lang.[**Exception**](http://docs.google.com/java/lang/Exception.html)
      * java.lang.[**RuntimeException**](http://docs.google.com/java/lang/RuntimeException.html)
        + java.awt.image.[**ImagingOpException**](http://docs.google.com/java/awt/image/ImagingOpException.html)
        + java.awt.image.[**RasterFormatException**](http://docs.google.com/java/awt/image/RasterFormatException.html)

## Interface Hierarchy

* java.awt.image.[**BufferedImageOp**](http://docs.google.com/java/awt/image/BufferedImageOp.html)
* java.awt.image.[**ImageConsumer**](http://docs.google.com/java/awt/image/ImageConsumer.html)
* java.awt.image.[**ImageObserver**](http://docs.google.com/java/awt/image/ImageObserver.html)
* java.awt.image.[**ImageProducer**](http://docs.google.com/java/awt/image/ImageProducer.html)
* java.awt.image.[**RasterOp**](http://docs.google.com/java/awt/image/RasterOp.html)
* java.awt.image.[**RenderedImage**](http://docs.google.com/java/awt/image/RenderedImage.html)
  + java.awt.image.[**WritableRenderedImage**](http://docs.google.com/java/awt/image/WritableRenderedImage.html)
* java.awt.image.[**TileObserver**](http://docs.google.com/java/awt/image/TileObserver.html)

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | Class | Use | **Tree** | [**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**](http://docs.google.com/java/awt/im/spi/package-tree.html)   [**NEXT**](http://docs.google.com/java/awt/image/renderable/package-tree.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/image/package-tree.html)    [**NO FRAMES**](http://docs.google.com/package-tree.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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