| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/awt/image/ImageFilter.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/image//class-useImageFilter.html)    [**NO FRAMES**](http://docs.google.com/ImageFilter.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**java.awt.image.ImageFilter**

| Packages that use [ImageFilter](http://docs.google.com/java/awt/image/ImageFilter.html) | |
| --- | --- |
| [**java.awt.image**](#3znysh7) | Provides classes for creating and modifying images. |
| [**javax.swing**](#2et92p0) | Provides a set of "lightweight" (all-Java language) components that, to the maximum degree possible, work the same on all platforms. |

| Uses of [ImageFilter](http://docs.google.com/java/awt/image/ImageFilter.html) in [java.awt.image](http://docs.google.com/java/awt/image/package-summary.html) | |
| --- | --- |

| Subclasses of [ImageFilter](http://docs.google.com/java/awt/image/ImageFilter.html) in [java.awt.image](http://docs.google.com/java/awt/image/package-summary.html) | |
| --- | --- |
| class | [**AreaAveragingScaleFilter**](http://docs.google.com/java/awt/image/AreaAveragingScaleFilter.html)            An ImageFilter class for scaling images using a simple area averaging algorithm that produces smoother results than the nearest neighbor algorithm. |
| class | [**BufferedImageFilter**](http://docs.google.com/java/awt/image/BufferedImageFilter.html)            The BufferedImageFilter class subclasses an ImageFilter to provide a simple means of using a single-source/single-destination image operator ([BufferedImageOp](http://docs.google.com/java/awt/image/BufferedImageOp.html)) to filter a BufferedImage in the Image Producer/Consumer/Observer paradigm. |
| class | [**CropImageFilter**](http://docs.google.com/java/awt/image/CropImageFilter.html)            An ImageFilter class for cropping images. |
| class | [**ReplicateScaleFilter**](http://docs.google.com/java/awt/image/ReplicateScaleFilter.html)            An ImageFilter class for scaling images using the simplest algorithm. |
| class | [**RGBImageFilter**](http://docs.google.com/java/awt/image/RGBImageFilter.html)            This class provides an easy way to create an ImageFilter which modifies the pixels of an image in the default RGB ColorModel. |

| Methods in [java.awt.image](http://docs.google.com/java/awt/image/package-summary.html) that return [ImageFilter](http://docs.google.com/java/awt/image/ImageFilter.html) | |
| --- | --- |
| [ImageFilter](http://docs.google.com/java/awt/image/ImageFilter.html) | **ImageFilter.**[**getFilterInstance**](http://docs.google.com/java/awt/image/ImageFilter.html#getFilterInstance(java.awt.image.ImageConsumer))([ImageConsumer](http://docs.google.com/java/awt/image/ImageConsumer.html) ic)            Returns a unique instance of an ImageFilter object which will actually perform the filtering for the specified ImageConsumer. |

| Constructors in [java.awt.image](http://docs.google.com/java/awt/image/package-summary.html) with parameters of type [ImageFilter](http://docs.google.com/java/awt/image/ImageFilter.html) | |
| --- | --- |
| [**FilteredImageSource**](http://docs.google.com/java/awt/image/FilteredImageSource.html#FilteredImageSource(java.awt.image.ImageProducer,%20java.awt.image.ImageFilter))([ImageProducer](http://docs.google.com/java/awt/image/ImageProducer.html) orig, [ImageFilter](http://docs.google.com/java/awt/image/ImageFilter.html) imgf)            Constructs an ImageProducer object from an existing ImageProducer and a filter object. |

| Uses of [ImageFilter](http://docs.google.com/java/awt/image/ImageFilter.html) in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) | |
| --- | --- |

| Subclasses of [ImageFilter](http://docs.google.com/java/awt/image/ImageFilter.html) in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) | |
| --- | --- |
| class | [**GrayFilter**](http://docs.google.com/javax/swing/GrayFilter.html)            An image filter that "disables" an image by turning it into a grayscale image, and brightening the pixels in the image. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/awt/image/ImageFilter.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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[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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