| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/RenderingHints.Key.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/RenderingHints.html)   [**NEXT CLASS**](http://docs.google.com/java/awt/Robot.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/RenderingHints.Key.html)    [**NO FRAMES**](http://docs.google.com/RenderingHints.Key.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **java.awt**

Class RenderingHints.Key

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **java.awt.RenderingHints.Key**

**Enclosing class:**[RenderingHints](http://docs.google.com/java/awt/RenderingHints.html)

public abstract static class **RenderingHints.Key**extends [Object](http://docs.google.com/java/lang/Object.html)

Defines the base type of all keys used along with the [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) class to control various algorithm choices in the rendering and imaging pipelines. Instances of this class are immutable and unique which means that tests for matches can be made using the == operator instead of the more expensive equals() method.

| **Constructor Summary** | |
| --- | --- |
| protected | [**RenderingHints.Key**](http://docs.google.com/java/awt/RenderingHints.Key.html#RenderingHints.Key(int))(int privatekey)            Construct a key using the indicated private key. |

| **Method Summary** | |
| --- | --- |
| boolean | [**equals**](http://docs.google.com/java/awt/RenderingHints.Key.html#equals(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) o)            The equals method for all Key objects will return the same result as the equality operator '=='. |
| int | [**hashCode**](http://docs.google.com/java/awt/RenderingHints.Key.html#hashCode())()            The hash code for all Key objects will be the same as the system identity code of the object as defined by the System.identityHashCode() method. |
| protected  int | [**intKey**](http://docs.google.com/java/awt/RenderingHints.Key.html#intKey())()            Returns the private integer key that the subclass instantiated this Key with. |
| abstract  boolean | [**isCompatibleValue**](http://docs.google.com/java/awt/RenderingHints.Key.html#isCompatibleValue(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) val)            Returns true if the specified object is a valid value for this Key. |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [wait](http://docs.google.com/java/lang/Object.html#wait()), [wait](http://docs.google.com/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/java/lang/Object.html#wait(long,%20int)) |

| **Constructor Detail** |
| --- |

### RenderingHints.Key

protected **RenderingHints.Key**(int privatekey)

Construct a key using the indicated private key. Each subclass of Key maintains its own unique domain of integer keys. No two objects with the same integer key and of the same specific subclass can be constructed. An exception will be thrown if an attempt is made to construct another object of a given class with the same integer key as a pre-existing instance of that subclass of Key.

**Parameters:**privatekey - the specified key

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

### isCompatibleValue

public abstract boolean **isCompatibleValue**([Object](http://docs.google.com/java/lang/Object.html) val)

Returns true if the specified object is a valid value for this Key.

**Parameters:**val - the Object to test for validity **Returns:**true if val is valid; false otherwise.

### intKey

protected final int **intKey**()

Returns the private integer key that the subclass instantiated this Key with.

**Returns:**the private integer key that the subclass instantiated this Key with.

### hashCode

public final int **hashCode**()

The hash code for all Key objects will be the same as the system identity code of the object as defined by the System.identityHashCode() method.

**Overrides:**[hashCode](http://docs.google.com/java/lang/Object.html#hashCode()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**a hash code value for this object.**See Also:**[Object.equals(java.lang.Object)](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

### equals

public final boolean **equals**([Object](http://docs.google.com/java/lang/Object.html) o)

The equals method for all Key objects will return the same result as the equality operator '=='.

**Overrides:**[equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)) in class [Object](http://docs.google.com/java/lang/Object.html) **Parameters:**o - the reference object with which to compare. **Returns:**true if this object is the same as the obj argument; false otherwise.**See Also:**[Object.hashCode()](http://docs.google.com/java/lang/Object.html#hashCode()), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/RenderingHints.Key.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/RenderingHints.html)   [**NEXT CLASS**](http://docs.google.com/java/awt/Robot.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/RenderingHints.Key.html)    [**NO FRAMES**](http://docs.google.com/RenderingHints.Key.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

[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).