| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/UIDefaults.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/javax/swing/TransferHandler.TransferSupport.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/UIDefaults.ActiveValue.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/UIDefaults.html)    [**NO FRAMES**](http://docs.google.com/UIDefaults.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | FIELD | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: FIELD | [CONSTR](#4d34og8) | [METHOD](#26in1rg) |

## **javax.swing**

Class UIDefaults

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [java.util.Dictionary](http://docs.google.com/java/util/Dictionary.html)<K,V>  
 [java.util.Hashtable](http://docs.google.com/java/util/Hashtable.html)<[Object](http://docs.google.com/java/lang/Object.html),[Object](http://docs.google.com/java/lang/Object.html)>  
 **javax.swing.UIDefaults**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [Cloneable](http://docs.google.com/java/lang/Cloneable.html), [Map](http://docs.google.com/java/util/Map.html)<[Object](http://docs.google.com/java/lang/Object.html),[Object](http://docs.google.com/java/lang/Object.html)>

public class **UIDefaults**extends [Hashtable](http://docs.google.com/java/util/Hashtable.html)<[Object](http://docs.google.com/java/lang/Object.html),[Object](http://docs.google.com/java/lang/Object.html)>

A table of defaults for Swing components. Applications can set/get default values via the UIManager.

**Warning:** Serialized objects of this class will not be compatible with future Swing releases. The current serialization support is appropriate for short term storage or RMI between applications running the same version of Swing. As of 1.4, support for long term storage of all JavaBeansTM has been added to the java.beans package. Please see [XMLEncoder](http://docs.google.com/java/beans/XMLEncoder.html).

**See Also:**[UIManager](http://docs.google.com/javax/swing/UIManager.html)

| **Nested Class Summary** | |
| --- | --- |
| static interface | [**UIDefaults.ActiveValue**](http://docs.google.com/javax/swing/UIDefaults.ActiveValue.html)            This class enables one to store an entry in the defaults table that's constructed each time it's looked up with one of the getXXX(key) methods. |
| static class | [**UIDefaults.LazyInputMap**](http://docs.google.com/javax/swing/UIDefaults.LazyInputMap.html)            LazyInputMap will create a InputMap in its createValue method. |
| static interface | [**UIDefaults.LazyValue**](http://docs.google.com/javax/swing/UIDefaults.LazyValue.html)            This class enables one to store an entry in the defaults table that isn't constructed until the first time it's looked up with one of the getXXX(key) methods. |
| static class | [**UIDefaults.ProxyLazyValue**](http://docs.google.com/javax/swing/UIDefaults.ProxyLazyValue.html)            This class provides an implementation of LazyValue which can be used to delay loading of the Class for the instance to be created. |

| **Constructor Summary** | |
| --- | --- |
| [**UIDefaults**](http://docs.google.com/javax/swing/UIDefaults.html#UIDefaults())()            Creates an empty defaults table. |
| [**UIDefaults**](http://docs.google.com/javax/swing/UIDefaults.html#UIDefaults(int,%20float))(int initialCapacity, float loadFactor)            Creates an empty defaults table with the specified initial capacity and load factor. |
| [**UIDefaults**](http://docs.google.com/javax/swing/UIDefaults.html#UIDefaults(java.lang.Object%5B%5D))([Object](http://docs.google.com/java/lang/Object.html)[] keyValueList)            Creates a defaults table initialized with the specified key/value pairs. |

| **Method Summary** | |
| --- | --- |
| void | [**addPropertyChangeListener**](http://docs.google.com/javax/swing/UIDefaults.html#addPropertyChangeListener(java.beans.PropertyChangeListener))([PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html) listener)            Adds a PropertyChangeListener to the listener list. |
| void | [**addResourceBundle**](http://docs.google.com/javax/swing/UIDefaults.html#addResourceBundle(java.lang.String))([String](http://docs.google.com/java/lang/String.html) bundleName)            Adds a resource bundle to the list of resource bundles that are searched for localized values. |
| protected  void | [**firePropertyChange**](http://docs.google.com/javax/swing/UIDefaults.html#firePropertyChange(java.lang.String,%20java.lang.Object,%20java.lang.Object))([String](http://docs.google.com/java/lang/String.html) propertyName, [Object](http://docs.google.com/java/lang/Object.html) oldValue, [Object](http://docs.google.com/java/lang/Object.html) newValue)            Support for reporting bound property changes. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**get**](http://docs.google.com/javax/swing/UIDefaults.html#get(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) key)            Returns the value for key. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**get**](http://docs.google.com/javax/swing/UIDefaults.html#get(java.lang.Object,%20java.util.Locale))([Object](http://docs.google.com/java/lang/Object.html) key, [Locale](http://docs.google.com/java/util/Locale.html) l)            Returns the value for key associated with the given locale. |
| boolean | [**getBoolean**](http://docs.google.com/javax/swing/UIDefaults.html#getBoolean(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) key)            If the value of key is boolean, return the boolean value, otherwise return false. |
| boolean | [**getBoolean**](http://docs.google.com/javax/swing/UIDefaults.html#getBoolean(java.lang.Object,%20java.util.Locale))([Object](http://docs.google.com/java/lang/Object.html) key, [Locale](http://docs.google.com/java/util/Locale.html) l)            If the value of key for the given Locale is boolean, return the boolean value, otherwise return false. |
| [Border](http://docs.google.com/javax/swing/border/Border.html) | [**getBorder**](http://docs.google.com/javax/swing/UIDefaults.html#getBorder(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) key)            If the value of key is a Border return it, otherwise return null. |
| [Border](http://docs.google.com/javax/swing/border/Border.html) | [**getBorder**](http://docs.google.com/javax/swing/UIDefaults.html#getBorder(java.lang.Object,%20java.util.Locale))([Object](http://docs.google.com/java/lang/Object.html) key, [Locale](http://docs.google.com/java/util/Locale.html) l)            If the value of key for the given Locale is a Border return it, otherwise return null. |
| [Color](http://docs.google.com/java/awt/Color.html) | [**getColor**](http://docs.google.com/javax/swing/UIDefaults.html#getColor(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) key)            If the value of key is a Color return it, otherwise return null. |
| [Color](http://docs.google.com/java/awt/Color.html) | [**getColor**](http://docs.google.com/javax/swing/UIDefaults.html#getColor(java.lang.Object,%20java.util.Locale))([Object](http://docs.google.com/java/lang/Object.html) key, [Locale](http://docs.google.com/java/util/Locale.html) l)            If the value of key for the given Locale is a Color return it, otherwise return null. |
| [Locale](http://docs.google.com/java/util/Locale.html) | [**getDefaultLocale**](http://docs.google.com/javax/swing/UIDefaults.html#getDefaultLocale())()            Returns the default locale. |
| [Dimension](http://docs.google.com/java/awt/Dimension.html) | [**getDimension**](http://docs.google.com/javax/swing/UIDefaults.html#getDimension(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) key)            If the value of key is a Dimension return it, otherwise return null. |
| [Dimension](http://docs.google.com/java/awt/Dimension.html) | [**getDimension**](http://docs.google.com/javax/swing/UIDefaults.html#getDimension(java.lang.Object,%20java.util.Locale))([Object](http://docs.google.com/java/lang/Object.html) key, [Locale](http://docs.google.com/java/util/Locale.html) l)            If the value of key for the given Locale is a Dimension return it, otherwise return null. |
| [Font](http://docs.google.com/java/awt/Font.html) | [**getFont**](http://docs.google.com/javax/swing/UIDefaults.html#getFont(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) key)            If the value of key is a Font return it, otherwise return null. |
| [Font](http://docs.google.com/java/awt/Font.html) | [**getFont**](http://docs.google.com/javax/swing/UIDefaults.html#getFont(java.lang.Object,%20java.util.Locale))([Object](http://docs.google.com/java/lang/Object.html) key, [Locale](http://docs.google.com/java/util/Locale.html) l)            If the value of key for the given Locale is a Font return it, otherwise return null. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | [**getIcon**](http://docs.google.com/javax/swing/UIDefaults.html#getIcon(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) key)            If the value of key is an Icon return it, otherwise return null. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | [**getIcon**](http://docs.google.com/javax/swing/UIDefaults.html#getIcon(java.lang.Object,%20java.util.Locale))([Object](http://docs.google.com/java/lang/Object.html) key, [Locale](http://docs.google.com/java/util/Locale.html) l)            If the value of key for the given Locale is an Icon return it, otherwise return null. |
| [Insets](http://docs.google.com/java/awt/Insets.html) | [**getInsets**](http://docs.google.com/javax/swing/UIDefaults.html#getInsets(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) key)            If the value of key is an Insets return it, otherwise return null. |
| [Insets](http://docs.google.com/java/awt/Insets.html) | [**getInsets**](http://docs.google.com/javax/swing/UIDefaults.html#getInsets(java.lang.Object,%20java.util.Locale))([Object](http://docs.google.com/java/lang/Object.html) key, [Locale](http://docs.google.com/java/util/Locale.html) l)            If the value of key for the given Locale is an Insets return it, otherwise return null. |
| int | [**getInt**](http://docs.google.com/javax/swing/UIDefaults.html#getInt(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) key)            If the value of key is an Integer return its integer value, otherwise return 0. |
| int | [**getInt**](http://docs.google.com/javax/swing/UIDefaults.html#getInt(java.lang.Object,%20java.util.Locale))([Object](http://docs.google.com/java/lang/Object.html) key, [Locale](http://docs.google.com/java/util/Locale.html) l)            If the value of key for the given Locale is an Integer return its integer value, otherwise return 0. |
| [PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html)[] | [**getPropertyChangeListeners**](http://docs.google.com/javax/swing/UIDefaults.html#getPropertyChangeListeners())()            Returns an array of all the PropertyChangeListeners added to this UIDefaults with addPropertyChangeListener(). |
| [String](http://docs.google.com/java/lang/String.html) | [**getString**](http://docs.google.com/javax/swing/UIDefaults.html#getString(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) key)            If the value of key is a String return it, otherwise return null. |
| [String](http://docs.google.com/java/lang/String.html) | [**getString**](http://docs.google.com/javax/swing/UIDefaults.html#getString(java.lang.Object,%20java.util.Locale))([Object](http://docs.google.com/java/lang/Object.html) key, [Locale](http://docs.google.com/java/util/Locale.html) l)            If the value of key for the given Locale is a String return it, otherwise return null. |
| [ComponentUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html) | [**getUI**](http://docs.google.com/javax/swing/UIDefaults.html#getUI(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) target)            Creates an ComponentUI implementation for the specified component. |
| [Class](http://docs.google.com/java/lang/Class.html)<? extends [ComponentUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html)> | [**getUIClass**](http://docs.google.com/javax/swing/UIDefaults.html#getUIClass(java.lang.String))([String](http://docs.google.com/java/lang/String.html) uiClassID)            Returns the L&F class that renders this component. |
| [Class](http://docs.google.com/java/lang/Class.html)<? extends [ComponentUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html)> | [**getUIClass**](http://docs.google.com/javax/swing/UIDefaults.html#getUIClass(java.lang.String,%20java.lang.ClassLoader))([String](http://docs.google.com/java/lang/String.html) uiClassID, [ClassLoader](http://docs.google.com/java/lang/ClassLoader.html) uiClassLoader)            The value of get(uidClassID) must be the String name of a class that implements the corresponding ComponentUI class. |
| protected  void | [**getUIError**](http://docs.google.com/javax/swing/UIDefaults.html#getUIError(java.lang.String))([String](http://docs.google.com/java/lang/String.html) msg)            If getUI() fails for any reason, it calls this method before returning null. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**put**](http://docs.google.com/javax/swing/UIDefaults.html#put(java.lang.Object,%20java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) key, [Object](http://docs.google.com/java/lang/Object.html) value)            Sets the value of key to value for all locales. |
| void | [**putDefaults**](http://docs.google.com/javax/swing/UIDefaults.html#putDefaults(java.lang.Object%5B%5D))([Object](http://docs.google.com/java/lang/Object.html)[] keyValueList)            Puts all of the key/value pairs in the database and unconditionally generates one PropertyChangeEvent. |
| void | [**removePropertyChangeListener**](http://docs.google.com/javax/swing/UIDefaults.html#removePropertyChangeListener(java.beans.PropertyChangeListener))([PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html) listener)            Removes a PropertyChangeListener from the listener list. |
| void | [**removeResourceBundle**](http://docs.google.com/javax/swing/UIDefaults.html#removeResourceBundle(java.lang.String))([String](http://docs.google.com/java/lang/String.html) bundleName)            Removes a resource bundle from the list of resource bundles that are searched for localized defaults. |
| void | [**setDefaultLocale**](http://docs.google.com/javax/swing/UIDefaults.html#setDefaultLocale(java.util.Locale))([Locale](http://docs.google.com/java/util/Locale.html) l)            Sets the default locale. |

| **Methods inherited from class java.util.**[**Hashtable**](http://docs.google.com/java/util/Hashtable.html) |
| --- |
| [clear](http://docs.google.com/java/util/Hashtable.html#clear()), [clone](http://docs.google.com/java/util/Hashtable.html#clone()), [contains](http://docs.google.com/java/util/Hashtable.html#contains(java.lang.Object)), [containsKey](http://docs.google.com/java/util/Hashtable.html#containsKey(java.lang.Object)), [containsValue](http://docs.google.com/java/util/Hashtable.html#containsValue(java.lang.Object)), [elements](http://docs.google.com/java/util/Hashtable.html#elements()), [entrySet](http://docs.google.com/java/util/Hashtable.html#entrySet()), [equals](http://docs.google.com/java/util/Hashtable.html#equals(java.lang.Object)), [hashCode](http://docs.google.com/java/util/Hashtable.html#hashCode()), [isEmpty](http://docs.google.com/java/util/Hashtable.html#isEmpty()), [keys](http://docs.google.com/java/util/Hashtable.html#keys()), [keySet](http://docs.google.com/java/util/Hashtable.html#keySet()), [putAll](http://docs.google.com/java/util/Hashtable.html#putAll(java.util.Map)), [rehash](http://docs.google.com/java/util/Hashtable.html#rehash()), [remove](http://docs.google.com/java/util/Hashtable.html#remove(java.lang.Object)), [size](http://docs.google.com/java/util/Hashtable.html#size()), [toString](http://docs.google.com/java/util/Hashtable.html#toString()), [values](http://docs.google.com/java/util/Hashtable.html#values()) |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [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()), [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** |
| --- |

### UIDefaults

public **UIDefaults**()

Creates an empty defaults table.

### UIDefaults

public **UIDefaults**(int initialCapacity,  
 float loadFactor)

Creates an empty defaults table with the specified initial capacity and load factor.

**Parameters:**initialCapacity - the initial capacity of the defaults tableloadFactor - the load factor of the defaults table**Since:** 1.6 **See Also:**[Hashtable](http://docs.google.com/java/util/Hashtable.html)

### UIDefaults

public **UIDefaults**([Object](http://docs.google.com/java/lang/Object.html)[] keyValueList)

Creates a defaults table initialized with the specified key/value pairs. For example:

Object[] uiDefaults = {  
 "Font", new Font("Dialog", Font.BOLD, 12),  
 "Color", Color.red,  
 "five", new Integer(5)  
 }  
 UIDefaults myDefaults = new UIDefaults(uiDefaults);

**Parameters:**keyValueList - an array of objects containing the key/value pairs

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

### get

public [Object](http://docs.google.com/java/lang/Object.html) **get**([Object](http://docs.google.com/java/lang/Object.html) key)

Returns the value for key. If the value is a UIDefaults.LazyValue then the real value is computed with LazyValue.createValue(), the table entry is replaced, and the real value is returned. If the value is an UIDefaults.ActiveValue the table entry is not replaced - the value is computed with ActiveValue.createValue() for each get() call. If the key is not found in the table then it is searched for in the list of resource bundles maintained by this object. The resource bundles are searched most recently added first using the locale returned by getDefaultLocale. LazyValues and ActiveValues are not supported in the resource bundles.

**Specified by:**[get](http://docs.google.com/java/util/Map.html#get(java.lang.Object)) in interface [Map](http://docs.google.com/java/util/Map.html)<[Object](http://docs.google.com/java/lang/Object.html),[Object](http://docs.google.com/java/lang/Object.html)>**Overrides:**[get](http://docs.google.com/java/util/Hashtable.html#get(java.lang.Object)) in class [Hashtable](http://docs.google.com/java/util/Hashtable.html)<[Object](http://docs.google.com/java/lang/Object.html),[Object](http://docs.google.com/java/lang/Object.html)> **Parameters:**key - the desired key **Returns:**the value for key**Since:** 1.4 **See Also:**[UIDefaults.LazyValue](http://docs.google.com/javax/swing/UIDefaults.LazyValue.html), [UIDefaults.ActiveValue](http://docs.google.com/javax/swing/UIDefaults.ActiveValue.html), [Hashtable.get(java.lang.Object)](http://docs.google.com/java/util/Hashtable.html#get(java.lang.Object)), [getDefaultLocale()](http://docs.google.com/javax/swing/UIDefaults.html#getDefaultLocale()), [addResourceBundle(java.lang.String)](http://docs.google.com/javax/swing/UIDefaults.html#addResourceBundle(java.lang.String))

### get

public [Object](http://docs.google.com/java/lang/Object.html) **get**([Object](http://docs.google.com/java/lang/Object.html) key,  
 [Locale](http://docs.google.com/java/util/Locale.html) l)

Returns the value for key associated with the given locale. If the value is a UIDefaults.LazyValue then the real value is computed with LazyValue.createValue(), the table entry is replaced, and the real value is returned. If the value is an UIDefaults.ActiveValue the table entry is not replaced - the value is computed with ActiveValue.createValue() for each get() call. If the key is not found in the table then it is searched for in the list of resource bundles maintained by this object. The resource bundles are searched most recently added first using the given locale. LazyValues and ActiveValues are not supported in the resource bundles.

**Parameters:**key - the desired keyl - the desired locale **Returns:**the value for key**Since:** 1.4 **See Also:**[UIDefaults.LazyValue](http://docs.google.com/javax/swing/UIDefaults.LazyValue.html), [UIDefaults.ActiveValue](http://docs.google.com/javax/swing/UIDefaults.ActiveValue.html), [Hashtable.get(java.lang.Object)](http://docs.google.com/java/util/Hashtable.html#get(java.lang.Object)), [addResourceBundle(java.lang.String)](http://docs.google.com/javax/swing/UIDefaults.html#addResourceBundle(java.lang.String))

### put

public [Object](http://docs.google.com/java/lang/Object.html) **put**([Object](http://docs.google.com/java/lang/Object.html) key,  
 [Object](http://docs.google.com/java/lang/Object.html) value)

Sets the value of key to value for all locales. If key is a string and the new value isn't equal to the old one, fire a PropertyChangeEvent. If value is null, the key is removed from the table.

**Specified by:**[put](http://docs.google.com/java/util/Map.html#put(K,%20V)) in interface [Map](http://docs.google.com/java/util/Map.html)<[Object](http://docs.google.com/java/lang/Object.html),[Object](http://docs.google.com/java/lang/Object.html)>**Overrides:**[put](http://docs.google.com/java/util/Hashtable.html#put(K,%20V)) in class [Hashtable](http://docs.google.com/java/util/Hashtable.html)<[Object](http://docs.google.com/java/lang/Object.html),[Object](http://docs.google.com/java/lang/Object.html)> **Parameters:**key - the unique Object who's value will be used to retrieve the data value associated with itvalue - the new Object to store as data under that key **Returns:**the previous Object value, or null**See Also:**[putDefaults(java.lang.Object[])](http://docs.google.com/javax/swing/UIDefaults.html#putDefaults(java.lang.Object%5B%5D)), [Hashtable.put(K, V)](http://docs.google.com/java/util/Hashtable.html#put(K,%20V))

### putDefaults

public void **putDefaults**([Object](http://docs.google.com/java/lang/Object.html)[] keyValueList)

Puts all of the key/value pairs in the database and unconditionally generates one PropertyChangeEvent. The events oldValue and newValue will be null and its propertyName will be "UIDefaults". The key/value pairs are added for all locales.

**Parameters:**keyValueList - an array of key/value pairs**See Also:**[put(java.lang.Object, java.lang.Object)](http://docs.google.com/javax/swing/UIDefaults.html#put(java.lang.Object,%20java.lang.Object)), [Hashtable.put(K, V)](http://docs.google.com/java/util/Hashtable.html#put(K,%20V))

### getFont

public [Font](http://docs.google.com/java/awt/Font.html) **getFont**([Object](http://docs.google.com/java/lang/Object.html) key)

If the value of key is a Font return it, otherwise return null.

**Parameters:**key - the desired key **Returns:**if the value for key is a Font, return the Font object; otherwise return null

### getFont

public [Font](http://docs.google.com/java/awt/Font.html) **getFont**([Object](http://docs.google.com/java/lang/Object.html) key,  
 [Locale](http://docs.google.com/java/util/Locale.html) l)

If the value of key for the given Locale is a Font return it, otherwise return null.

**Parameters:**key - the desired keyl - the desired locale **Returns:**if the value for key and Locale is a Font, return the Font object; otherwise return null**Since:** 1.4

### getColor

public [Color](http://docs.google.com/java/awt/Color.html) **getColor**([Object](http://docs.google.com/java/lang/Object.html) key)

If the value of key is a Color return it, otherwise return null.

**Parameters:**key - the desired key **Returns:**if the value for key is a Color, return the Color object; otherwise return null

### getColor

public [Color](http://docs.google.com/java/awt/Color.html) **getColor**([Object](http://docs.google.com/java/lang/Object.html) key,  
 [Locale](http://docs.google.com/java/util/Locale.html) l)

If the value of key for the given Locale is a Color return it, otherwise return null.

**Parameters:**key - the desired keyl - the desired locale **Returns:**if the value for key and Locale is a Color, return the Color object; otherwise return null**Since:** 1.4

### getIcon

public [Icon](http://docs.google.com/javax/swing/Icon.html) **getIcon**([Object](http://docs.google.com/java/lang/Object.html) key)

If the value of key is an Icon return it, otherwise return null.

**Parameters:**key - the desired key **Returns:**if the value for key is an Icon, return the Icon object; otherwise return null

### getIcon

public [Icon](http://docs.google.com/javax/swing/Icon.html) **getIcon**([Object](http://docs.google.com/java/lang/Object.html) key,  
 [Locale](http://docs.google.com/java/util/Locale.html) l)

If the value of key for the given Locale is an Icon return it, otherwise return null.

**Parameters:**key - the desired keyl - the desired locale **Returns:**if the value for key and Locale is an Icon, return the Icon object; otherwise return null**Since:** 1.4

### getBorder

public [Border](http://docs.google.com/javax/swing/border/Border.html) **getBorder**([Object](http://docs.google.com/java/lang/Object.html) key)

If the value of key is a Border return it, otherwise return null.

**Parameters:**key - the desired key **Returns:**if the value for key is a Border, return the Border object; otherwise return null

### getBorder

public [Border](http://docs.google.com/javax/swing/border/Border.html) **getBorder**([Object](http://docs.google.com/java/lang/Object.html) key,  
 [Locale](http://docs.google.com/java/util/Locale.html) l)

If the value of key for the given Locale is a Border return it, otherwise return null.

**Parameters:**key - the desired keyl - the desired locale **Returns:**if the value for key and Locale is a Border, return the Border object; otherwise return null**Since:** 1.4

### getString

public [String](http://docs.google.com/java/lang/String.html) **getString**([Object](http://docs.google.com/java/lang/Object.html) key)

If the value of key is a String return it, otherwise return null.

**Parameters:**key - the desired key **Returns:**if the value for key is a String, return the String object; otherwise return null

### getString

public [String](http://docs.google.com/java/lang/String.html) **getString**([Object](http://docs.google.com/java/lang/Object.html) key,  
 [Locale](http://docs.google.com/java/util/Locale.html) l)

If the value of key for the given Locale is a String return it, otherwise return null.

**Parameters:**key - the desired keyl - the desired Locale **Returns:**if the value for key for the given Locale is a String, return the String object; otherwise return null**Since:** 1.4

### getInt

public int **getInt**([Object](http://docs.google.com/java/lang/Object.html) key)

If the value of key is an Integer return its integer value, otherwise return 0.

**Parameters:**key - the desired key **Returns:**if the value for key is an Integer, return its value, otherwise return 0

### getInt

public int **getInt**([Object](http://docs.google.com/java/lang/Object.html) key,  
 [Locale](http://docs.google.com/java/util/Locale.html) l)

If the value of key for the given Locale is an Integer return its integer value, otherwise return 0.

**Parameters:**key - the desired keyl - the desired locale **Returns:**if the value for key and Locale is an Integer, return its value, otherwise return 0**Since:** 1.4

### getBoolean

public boolean **getBoolean**([Object](http://docs.google.com/java/lang/Object.html) key)

If the value of key is boolean, return the boolean value, otherwise return false.

**Parameters:**key - an Object specifying the key for the desired boolean value **Returns:**if the value of key is boolean, return the boolean value, otherwise return false.**Since:** 1.4

### getBoolean

public boolean **getBoolean**([Object](http://docs.google.com/java/lang/Object.html) key,  
 [Locale](http://docs.google.com/java/util/Locale.html) l)

If the value of key for the given Locale is boolean, return the boolean value, otherwise return false.

**Parameters:**key - an Object specifying the key for the desired boolean valuel - the desired locale **Returns:**if the value for key and Locale is boolean, return the boolean value, otherwise return false.**Since:** 1.4

### getInsets

public [Insets](http://docs.google.com/java/awt/Insets.html) **getInsets**([Object](http://docs.google.com/java/lang/Object.html) key)

If the value of key is an Insets return it, otherwise return null.

**Parameters:**key - the desired key **Returns:**if the value for key is an Insets, return the Insets object; otherwise return null

### getInsets

public [Insets](http://docs.google.com/java/awt/Insets.html) **getInsets**([Object](http://docs.google.com/java/lang/Object.html) key,  
 [Locale](http://docs.google.com/java/util/Locale.html) l)

If the value of key for the given Locale is an Insets return it, otherwise return null.

**Parameters:**key - the desired keyl - the desired locale **Returns:**if the value for key and Locale is an Insets, return the Insets object; otherwise return null**Since:** 1.4

### getDimension

public [Dimension](http://docs.google.com/java/awt/Dimension.html) **getDimension**([Object](http://docs.google.com/java/lang/Object.html) key)

If the value of key is a Dimension return it, otherwise return null.

**Parameters:**key - the desired key **Returns:**if the value for key is a Dimension, return the Dimension object; otherwise return null

### getDimension

public [Dimension](http://docs.google.com/java/awt/Dimension.html) **getDimension**([Object](http://docs.google.com/java/lang/Object.html) key,  
 [Locale](http://docs.google.com/java/util/Locale.html) l)

If the value of key for the given Locale is a Dimension return it, otherwise return null.

**Parameters:**key - the desired keyl - the desired locale **Returns:**if the value for key and Locale is a Dimension, return the Dimension object; otherwise return null**Since:** 1.4

### getUIClass

public [Class](http://docs.google.com/java/lang/Class.html)<? extends [ComponentUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html)> **getUIClass**([String](http://docs.google.com/java/lang/String.html) uiClassID,  
 [ClassLoader](http://docs.google.com/java/lang/ClassLoader.html) uiClassLoader)

The value of get(uidClassID) must be the String name of a class that implements the corresponding ComponentUI class. If the class hasn't been loaded before, this method looks up the class with uiClassLoader.loadClass() if a non null class loader is provided, classForName() otherwise.

If a mapping for uiClassID exists or if the specified class can't be found, return null.

This method is used by getUI, it's usually not necessary to call it directly.

**Parameters:**uiClassID - a string containing the class IDuiClassLoader - the object which will load the class **Returns:**the value of Class.forName(get(uidClassID))**See Also:**[getUI(javax.swing.JComponent)](http://docs.google.com/javax/swing/UIDefaults.html#getUI(javax.swing.JComponent))

### getUIClass

public [Class](http://docs.google.com/java/lang/Class.html)<? extends [ComponentUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html)> **getUIClass**([String](http://docs.google.com/java/lang/String.html) uiClassID)

Returns the L&F class that renders this component.

**Parameters:**uiClassID - a string containing the class ID **Returns:**the Class object returned by getUIClass(uiClassID, null)

### getUIError

protected void **getUIError**([String](http://docs.google.com/java/lang/String.html) msg)

If getUI() fails for any reason, it calls this method before returning null. Subclasses may choose to do more or less here.

**Parameters:**msg - message string to print**See Also:**[getUI(javax.swing.JComponent)](http://docs.google.com/javax/swing/UIDefaults.html#getUI(javax.swing.JComponent))

### getUI

public [ComponentUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html) **getUI**([JComponent](http://docs.google.com/javax/swing/JComponent.html) target)

Creates an ComponentUI implementation for the specified component. In other words create the look and feel specific delegate object for target. This is done in two steps:

* Look up the name of the ComponentUI implementation class under the value returned by target.getUIClassID().
* Use the implementation classes static createUI() method to construct a look and feel delegate.

**Parameters:**target - the JComponent which needs a UI **Returns:**the ComponentUI object

### addPropertyChangeListener

public void **addPropertyChangeListener**([PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html) listener)

Adds a PropertyChangeListener to the listener list. The listener is registered for all properties.

A PropertyChangeEvent will get fired whenever a default is changed.

**Parameters:**listener - the PropertyChangeListener to be added**See Also:**[PropertyChangeSupport](http://docs.google.com/java/beans/PropertyChangeSupport.html)

### removePropertyChangeListener

public void **removePropertyChangeListener**([PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html) listener)

Removes a PropertyChangeListener from the listener list. This removes a PropertyChangeListener that was registered for all properties.

**Parameters:**listener - the PropertyChangeListener to be removed**See Also:**[PropertyChangeSupport](http://docs.google.com/java/beans/PropertyChangeSupport.html)

### getPropertyChangeListeners

public [PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html)[] **getPropertyChangeListeners**()

Returns an array of all the PropertyChangeListeners added to this UIDefaults with addPropertyChangeListener().

**Returns:**all of the PropertyChangeListeners added or an empty array if no listeners have been added**Since:** 1.4

### firePropertyChange

protected void **firePropertyChange**([String](http://docs.google.com/java/lang/String.html) propertyName,  
 [Object](http://docs.google.com/java/lang/Object.html) oldValue,  
 [Object](http://docs.google.com/java/lang/Object.html) newValue)

Support for reporting bound property changes. If oldValue and newValue are not equal and the PropertyChangeEventx listener list isn't empty, then fire a PropertyChange event to each listener.

**Parameters:**propertyName - the programmatic name of the property that was changedoldValue - the old value of the propertynewValue - the new value of the property**See Also:**[PropertyChangeSupport](http://docs.google.com/java/beans/PropertyChangeSupport.html)

### addResourceBundle

public void **addResourceBundle**([String](http://docs.google.com/java/lang/String.html) bundleName)

Adds a resource bundle to the list of resource bundles that are searched for localized values. Resource bundles are searched in the reverse order they were added. In other words, the most recently added bundle is searched first.

**Parameters:**bundleName - the base name of the resource bundle to be added**Since:** 1.4 **See Also:**[ResourceBundle](http://docs.google.com/java/util/ResourceBundle.html), [removeResourceBundle(java.lang.String)](http://docs.google.com/javax/swing/UIDefaults.html#removeResourceBundle(java.lang.String))

### removeResourceBundle

public void **removeResourceBundle**([String](http://docs.google.com/java/lang/String.html) bundleName)

Removes a resource bundle from the list of resource bundles that are searched for localized defaults.

**Parameters:**bundleName - the base name of the resource bundle to be removed**Since:** 1.4 **See Also:**[ResourceBundle](http://docs.google.com/java/util/ResourceBundle.html), [addResourceBundle(java.lang.String)](http://docs.google.com/javax/swing/UIDefaults.html#addResourceBundle(java.lang.String))

### setDefaultLocale

public void **setDefaultLocale**([Locale](http://docs.google.com/java/util/Locale.html) l)

Sets the default locale. The default locale is used in retrieving localized values via get methods that do not take a locale argument. As of release 1.4, Swing UI objects should retrieve localized values using the locale of their component rather than the default locale. The default locale exists to provide compatibility with pre 1.4 behaviour.

**Parameters:**l - the new default locale**Since:** 1.4 **See Also:**[getDefaultLocale()](http://docs.google.com/javax/swing/UIDefaults.html#getDefaultLocale()), [get(Object)](http://docs.google.com/javax/swing/UIDefaults.html#get(java.lang.Object)), [get(Object,Locale)](http://docs.google.com/javax/swing/UIDefaults.html#get(java.lang.Object,%20java.util.Locale))

### getDefaultLocale

public [Locale](http://docs.google.com/java/util/Locale.html) **getDefaultLocale**()

Returns the default locale. The default locale is used in retrieving localized values via get methods that do not take a locale argument. As of release 1.4, Swing UI objects should retrieve localized values using the locale of their component rather than the default locale. The default locale exists to provide compatibility with pre 1.4 behaviour.

**Returns:**the default locale**Since:** 1.4 **See Also:**[setDefaultLocale(java.util.Locale)](http://docs.google.com/javax/swing/UIDefaults.html#setDefaultLocale(java.util.Locale)), [get(Object)](http://docs.google.com/javax/swing/UIDefaults.html#get(java.lang.Object)), [get(Object,Locale)](http://docs.google.com/javax/swing/UIDefaults.html#get(java.lang.Object,%20java.util.Locale))

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/UIDefaults.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/javax/swing/TransferHandler.TransferSupport.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/UIDefaults.ActiveValue.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/UIDefaults.html)    [**NO FRAMES**](http://docs.google.com/UIDefaults.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | FIELD | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: FIELD | [CONSTR](#4d34og8) | [METHOD](#26in1rg) |

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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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