

# Class `java.awt.Scrollbar`

```
java.lang.Object
|
+----java.awt.Component
      |
      +----java.awt.Scrollbar
```

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public class **Scrollbar**  
extends [Component](#)

A Scrollbar component.

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## Variable Index

- o **[HORIZONTAL](#)**  
The horizontal Scrollbar variable.
- o **[VERTICAL](#)**  
The vertical Scrollbar variable.

## Constructor Index

- o **[Scrollbar\(\)](#)**  
Constructs a new vertical Scrollbar.
- o **[Scrollbar\(int\)](#)**  
Constructs a new Scrollbar with the specified orientation.
- o **[Scrollbar\(int, int, int, int, int\)](#)**  
Constructs a new Scrollbar with the specified orientation, value, page size, and minimum and maximum values.

# Method Index

- o **addNotify()**  
Create the Scrollbar's peer.
- o **getMaximum()**  
Returns the maximum value of this Scrollbar.
- o **getMinimum()**  
Returns the minimum value of this Scrollbar.
- o **getOrientation()**  
Returns the orientation for this Scrollbar.
- o **getValue()**  
Returns the current value of this Scrollbar.
- o **getVisible()**  
Returns the visible amount of the Scrollbar.
- o  **paramString()**  
Returns the String parameters for this Scrollbar.
- o **setValue(int)**  
Sets the value of this Scrollbar to the specified value.
- o **setValues(int, int, int, int)**  
Sets the values for this Scrollbar.

# Variables

## o HORIZONTAL

```
public final static int HORIZONTAL
```

The horizontal Scrollbar variable.

## o VERTICAL

```
public final static int VERTICAL
```

The vertical Scrollbar variable.

# Constructors

## o Scrollbar

```
public Scrollbar()
```

Constructs a new vertical Scrollbar.

## o Scrollbar

```
public Scrollbar(int orientation)
```

Constructs a new Scrollbar with the specified orientation.

**Parameters:**

orientation – either Scrollbar.HORIZONTAL or Scrollbar.VERTICAL

**Throws:** IllegalArgumentException

If an illegal scrollbar orientation is given.

o **Scrollbar**

```
public Scrollbar(int orientation,  
                int value,  
                int visible,  
                int minimum,  
                int maximum)
```

Constructs a new Scrollbar with the specified orientation, value, page size, and minimum and maximum values.

**Parameters:**

orientation – either Scrollbar.HORIZONTAL or Scrollbar.VERTICAL

value – the scrollbar's value

visible – the size of the visible portion of the scrollable area. The scrollbar will use this value when paging up or down by a page.

minimum – the minimum value of the scrollbar

maximum – the maximum value of the scrollbar

## Methods

o **addNotify**

```
public synchronized void addNotify()
```

Create the Scrollbar's peer. The peer allows us to modify the appearance of the Scrollbar without changing any of its functionality.

**Overrides:**

addNotify in class Component

o **getOrientation**

```
public int getOrientation()
```

Returns the orientation for this Scrollbar.

o **getValue**

```
public int getValue()
```

Returns the current value of this Scrollbar.

**See Also:**

minimum, maximum

## o setValue

```
public void setValue(int value)
```

Sets the value of this Scrollbar to the specified value.

**Parameters:**

value – the new value of the Scrollbar. If this value is below the current minimum or above the current maximum, it becomes the new one of those values, respectively.

**See Also:**

getValue

## o getMinimum

```
public int getMinimum()
```

Returns the minimum value of this Scrollbar.

**See Also:**

maximum, value

## o getMaximum

```
public int getMaximum()
```

Returns the maximum value of this Scrollbar.

**See Also:**

minimum, value

## o getVisible

```
public int getVisible()
```

Returns the visible amount of the Scrollbar.

## o setValues

```
public void setValues(int value,  
                     int visible,  
                     int minimum,  
                     int maximum)
```

Sets the values for this Scrollbar.

**Parameters:**

value – is the position in the current window.  
visible – is the amount visible per page  
minimum – is the minimum value of the scrollbar  
maximum – is the maximum value of the scrollbar

## o paramString

protected String paramString()

Returns the String parameters for this Scrollbar.

**Overrides:**

paramString in class Component

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[All Packages](#)

[This Package](#)

[Previous](#)

[Next](#)