

# Converting Colors

Hex(6B83BF)

Have a look what the booklet for  
Hex(6B83BF) contains.

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# Color

**Hex(6B83BF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6B83BF
RGB	107, 131, 191
RGB Percent	42%, 51%, 75%
CMY	0.5804, 0.4863, 0.2510
CMYK	0.44, 0.31, 0.00, 0.25
HSL	223°, 40%, 58%
HSV	223°, 44%, 75%
XYZ	23.5837, 23.1200, 52.5098
YIQ	130.6640, -33.5640, 13.5720

# Conversions

## Conversions Part 2

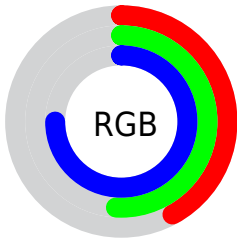
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	107, 126, 191
Decimal	7046079
CIE Lab	55.20, 7.31, -34.09
CIE LCh	55, 34.864, 282.109
Yxy	23.1200, 0.2377, 0.2330
Android (android.graphics.Color)	4285236159 (0xFF6B83BF)
YUV	130.6640, 29.7456, -20.7533
Hunter-Lab	48.0832, 3.4043, -31.0900

# Details

The Hex color **6B83BF** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **BFA76B**, and the grayscale version is **828282**.

A 20% lighter version of the original color is **A2B8F8**, and **355289** is the 20% darker color. If you saturate the color by 10%, you get **5875BF**, and if you desaturate by 10%, it is **7E91BF**.

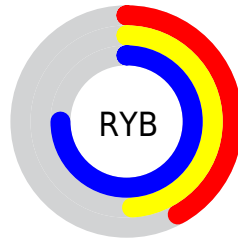
# Distribution



Red (42%)

Green (51%)

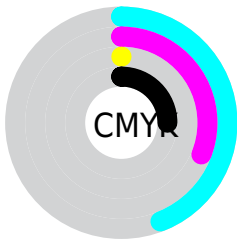
Blue (75%)



Red (42%)

Yellow (49%)

Blue (75%)

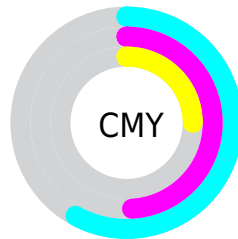


Cyan (44%)

Magenta (31%)

Yellow (0%)

Black (25%)



Cyan (58%)

Magenta (49%)

Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 6B83BF changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 6B83BF by changing the saturation by 10% instead.





6B83BF



6B83BF

FFFFFF



506AA4



A2B8F8



355289



BED3FF



163B70



DAF0FF



002657



F8FFFF



00113F



000329



000113



000000



6B83BF



6B83BF

■ 5875BF

■ 7E91BF

■ 4568BF

■ 919EBF

■ 325ABF

■ A4ACBF

■ 1F4CBF

■ B7BABF

■ 0C3FBF

■ CBC7BF

■ 0037BF

■ DED5BF

■ F1E3BF

■ FFF0BF

■ FFFEBF

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



2E8CBD



6B83BF



9778B1

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



6B83BF



B9725D



429371

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



6B83BF



BFA76B

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



6A8E56



6B83BF



A77C4B

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



6B83BF



BE6C79



8B8648



009490

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



6B83BF



AC71A1



8B8648



509267



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



6B83BF



D7E0F7



6BBFA6



696F7D



FCFCFC



7D7D7D



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



6B83BF



749AF7



7C6BBF



55585E



002D9E



00091F



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



BF6B83



F7749A



AEBF6B



5E5558



9E002D

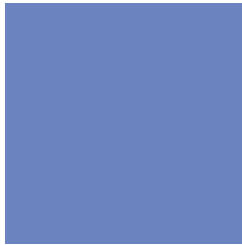


1F0009



# Previews

## White Background



This preview shows how the Hex color 6B83BF looks on a white background.

## Color Contrast Check

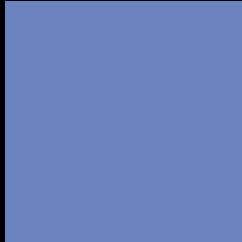
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 6B83BF looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

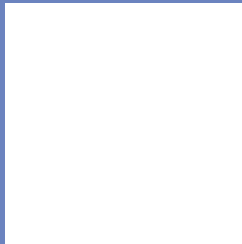
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 6B83BF Background



This preview shows how black text looks on a background with the Hex color 6B83BF.

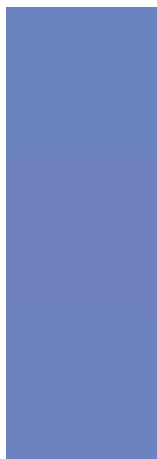


This preview shows how white text looks on a background with the Hex color 6B83BF.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



**Original Color**  
6B83BF

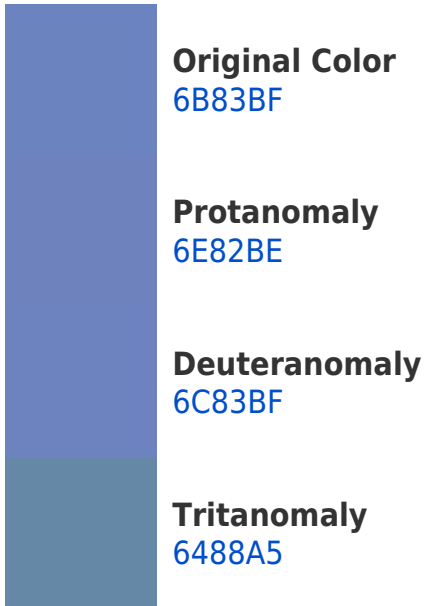
**Protanopia**  
7082BE

**Deuteranopia**  
6C83BF



**Tritanopia**  
608B96

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 6B83BF is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #6B83BF looks like.

```
.text, #text, p{  
    color:#6B83BF  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #6B83BF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6B83BF
}
```

## Border

The CSS property to change the border of an element to Hex 6B83BF is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#6B83BF }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#6B83BF }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #6B83BF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #6B83BF; -webkit-box-shadow:4px 4px  
4px 4px #6B83BF; box-shadow:4px 4px 4px  
4px #6B83BF }
```

# Background

The CSS property to change the background color of an element to Hex 6B83BF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6B83BF }
```

If only the background color should be changed can be used:

```
.background{ background-color:#6B83BF }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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