

# Converting Colors

Hex(6B83CD)

Have a look what the booklet for  
Hex(6B83CD) contains.

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# Color

**Hex(6B83CD)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6B83CD
RGB	107, 131, 205
RGB Percent	42%, 51%, 80%
CMY	0.5804, 0.4863, 0.1961
CMYK	0.48, 0.36, 0.00, 0.20
HSL	225°, 49%, 61%
HSV	225°, 48%, 80%
XYZ	25.1991, 23.7662, 61.0168
YIQ	132.2600, -38.0580, 17.9260

# Conversions

## Conversions Part 2

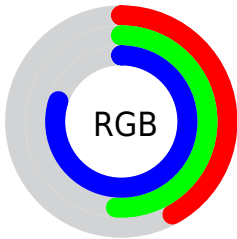
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	107, 126, 205
Decimal	7046093
CIE Lab	55.85, 11.50, -41.01
CIE LCh	56, 42.586, 285.662
Yxy	23.7662, 0.2291, 0.2161
Android (android.graphics.Color)	4285236173 (0xFF6B83CD)
YUV	132.2600, 35.8608, -22.1530
Hunter-Lab	48.7506, 6.9531, -40.0827

# Details

The Hex color **6B83CD** is a dark color, and the websafe version is hex **6699FF**. A complement of this color would be **CDB56B**, and the grayscale version is **848484**.

A 20% lighter version of the original color is **A3B8FF**, and **325296** is the 20% darker color. If you saturate the color by 10%, you get **5674CD**, and if you desaturate by 10%, it is **7F92CD**.

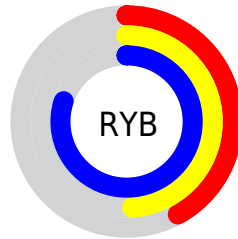
# Distribution



Red (42%)

Green (51%)

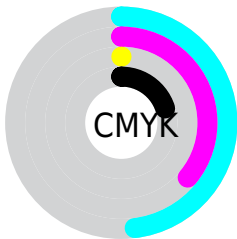
Blue (80%)



Red (42%)

Yellow (49%)

Blue (80%)

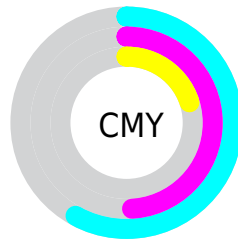


Cyan (48%)

Magenta (36%)

Yellow (0%)

Black (20%)



Cyan (58%)

Magenta (49%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 6B83CD 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 6B83CD by changing the saturation by 10% instead.



■ 6B83CD

■ 6B83CD

FFFFFF

■ 4F6AB1

■ A3B8FF

■ 325296

■ BFD3FF

■ 0C3B7C

■ DCF0FF

■ 002663

■ FAFFFF

■ 00124A

■ 000433

■ 00021D

■ 000000

■ 6B83CD

■ 6B83CD

■ 5674CD

■ 7F92CD

■ 4264CD

■ 94A2CD

■ 2D55CD

■ A9B1CD

■ 1945CD

■ BDC1CD

■ 0436CD

■ D2D0CD

■ 0032CD

■ E6E0CD

■ FBEFCD

■ FFFFCD

# Harmonies

## Analogous

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



008FCD



6B83CD



A175BA

# Triad

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



6B83CD



C37052



1D9772

# Complementary

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



6B83CD



CDB56B

# 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.



5F9350



6B83CD



AB7E3D

# Square

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



6B83CD



CC6774



898A3C



009999

# Rectangle

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



6B83CD



B96CA5



898A3C



3A9666



# Sweetspot

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



6B83CD



DBE4FF



6BCDB5



6A6F80



000000



808080



# Same Dimension

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



6B83CD



6E91FF



846BCD



5C5E66



0029A6



000926



# Inverse Universe

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



CD6B83



FF6E91



B5CD6B



665C5E



A60029



260009



# Previews

## White Background



This preview shows how the Hex color 6B83CD looks on a white background.

## Color Contrast Check

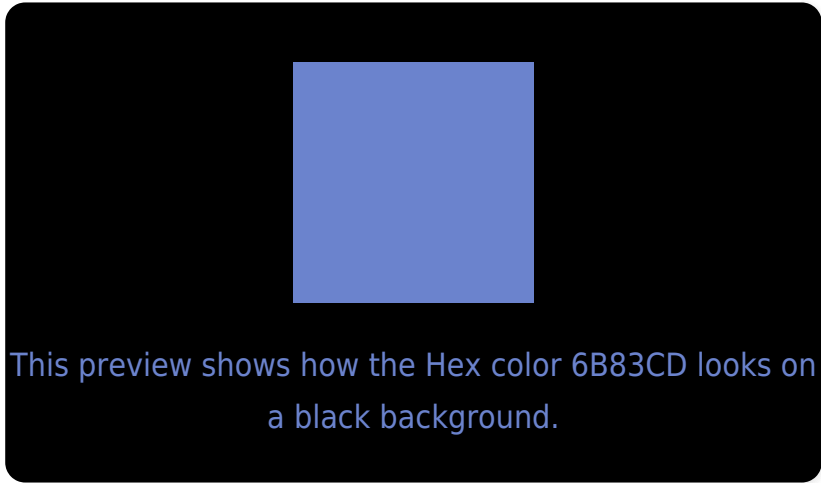
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



## 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 6B83CD Background



This preview shows how black text looks on a background with the Hex color 6B83CD.



This preview shows how white text looks on a background with the Hex color 6B83CD.

# 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**

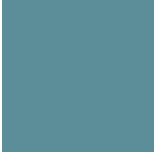
6B83CD

**Protanopia**

6B83CD

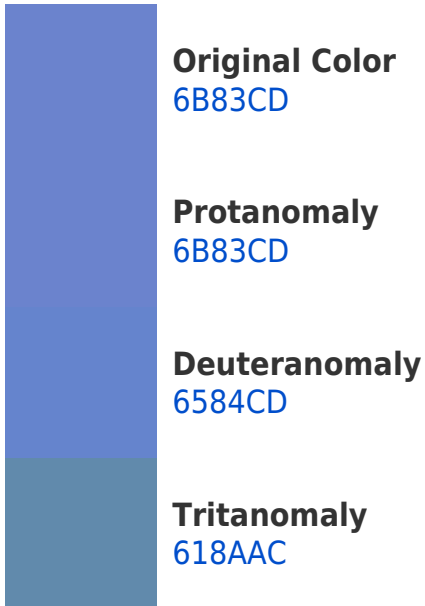
**Deuteranopia**

6285CD



**Tritanopia**  
5B8E99

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 6B83CD 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 #6B83CD looks like.

```
.text, #text, p{  
    color:#6B83CD  
}
```

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 #6B83CD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6B83CD
}
```

## Border

The CSS property to change the border of an element to Hex 6B83CD 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
#6B83CD }
```

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

```
.border{ border-color:#6B83CD }
```

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

Here you see how a box with a 4 pixel #6B83CD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #6B83CD; -webkit-box-shadow:4px 4px  
4px 4px #6B83CD; box-shadow:4px 4px 4px  
4px #6B83CD }
```

# Background

The CSS property to change the background color of an element to Hex 6B83CD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6B83CD }
```

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

```
.background{ background-color:#6B83CD }
```

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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