

# Converting Colors

Hex(6C87B9)

Have a look what the booklet for  
Hex(6C87B9) contains.

<b>Hex(6C87B9)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(6C87B9)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6C87B9
RGB	108, 135, 185
RGB Percent	42%, 53%, 73%
CMY	0.5765, 0.4706, 0.2745
CMYK	0.42, 0.27, 0.00, 0.27
HSL	219°, 35%, 57%
HSV	219°, 42%, 73%
XYZ	23.6053, 24.0189, 49.2909
YIQ	132.6270, -32.1420, 9.8260

# Conversions

## Conversions Part 2

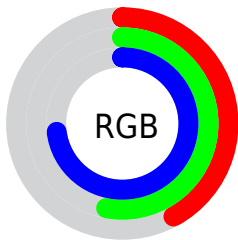
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	108, 128, 185
Decimal	7112633
CIE <sub>Lab</sub>	56.11, 3.48, -29.25
CIE <sub>LCh</sub>	56, 29.452, 276.791
Yxy	24.0189, 0.2436, 0.2478
Android (android.graphics.Color)	4285302713 (0xFF6C87B9)
YUV	132.6270, 25.8199, -21.5979
Hunter-Lab	49.0091, 0.2089, -25.3247

# Details

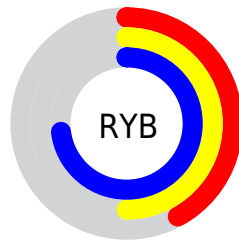
The Hex color **6C87B9** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **B99E6C**, and the grayscale version is **848484**.

A 20% lighter version of the original color is **A2BCF1**, and **375684** is the 20% darker color. If you saturate the color by 10%, you get **5A7BB9**, and if you desaturate by 10%, it is **7F93B9**.

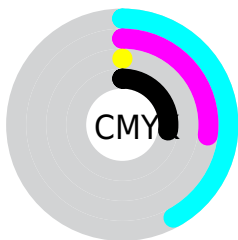
# Distribution



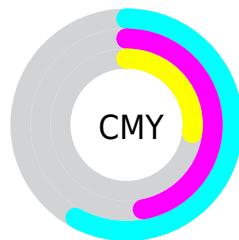
- Red (42%)
- Green (53%)
- Blue (73%)



- Red (42%)
- Yellow (50%)
- Blue (73%)



- Cyan (42%)
- Magenta (27%)
- Yellow (0%)
- Black (27%)



- Cyan (58%)
- Magenta (47%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 6C87B9 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 6C87B9 by changing the saturation by 10% instead.





6C87B9



6C87B9

FFFFFF



526E9E



A2BCF1



375684



BED8FF



1B3F6A



DBF4FF



002952



F8FFFF



00153A



000225



00010D



000000



6C87B9



6C87B9

■ 5A7BB9

■ 7F93B9

■ 476FB9

■ 919FB9

■ 3563B9

■ A3ABB9

■ 2257B9

■ B6B7B9

■ 104BB9

■ C9C3B9

■ 0041B9

■ DBCFB9

■ EDDBB9

■ FFE7B9

■ FFF3B9

# Harmonies

## Analogous

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



428FB5



6C87B9



917EB0

# Triad

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



6C87B9



B67669



589371

# Complementary

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



6C87B9



B99E6C

# 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.



768E5D



6C87B9



A97E58

# Square

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



6C87B9



B87382



928753



38948C

# Rectangle

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



6C87B9



A478A3



928753



62916A



# Sweetspot

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



6C87B9



D3DDF0



6CB99D



676D78



F7F7F7



787878

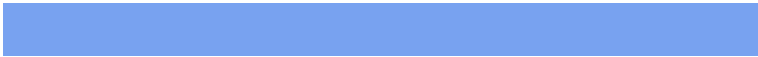


# Same Dimension

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



6C87B9



78A2F0



766CB9



53565C



00379C



000A1C



# Inverse Universe

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



B96C87



F078A2



AFB96C



5C5356



9C0037

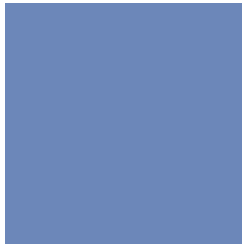


1C000A



# Previews

## White Background



This preview shows how the Hex color 6C87B9 looks on a white background.

## Color Contrast Check

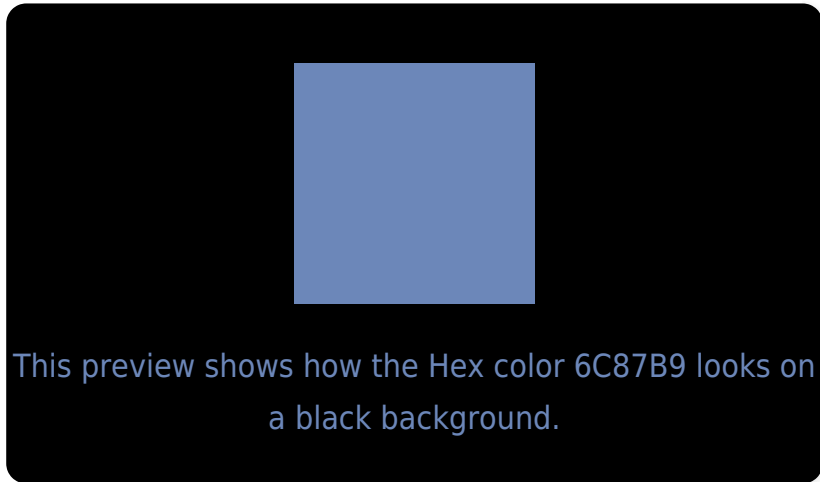
Large Text (above 18pt) WCAG AA ✓ Pass

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

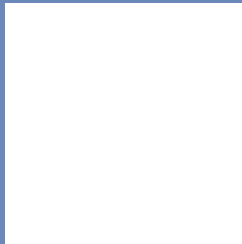
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 6C87B9 Background



This preview shows how black text looks on a background with the Hex color 6C87B9.



This preview shows how white text looks on a background with the Hex color 6C87B9.

# 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**  
6C87B9

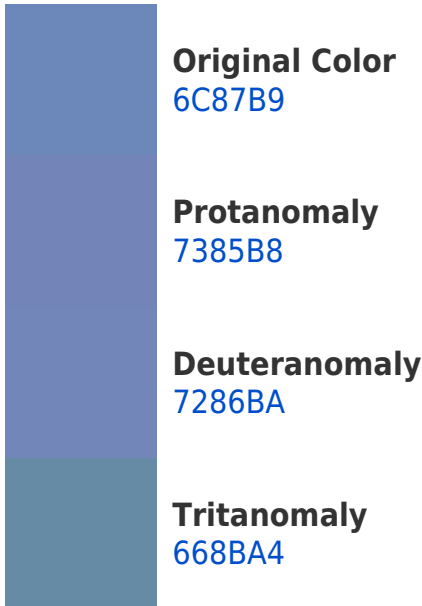
**Protanopia**  
7784B7

**Deuteranopia**  
7585BA

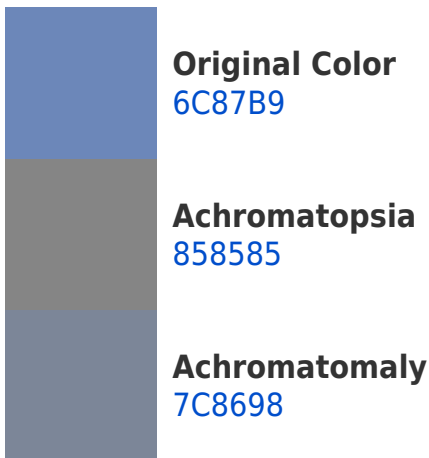


**Tritanopia**  
638D98

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 6C87B9 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 #6C87B9 looks like.

```
.text, #text, p{  
    color:#6C87B9  
}
```

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 #6C87B9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6C87B9
}
```

## Border

The CSS property to change the border of an element to Hex 6C87B9 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
#6C87B9 }
```

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

```
.border{ border-color:#6C87B9 }
```

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

Here you see how a box with a 4 pixel #6C87B9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #6C87B9; -webkit-box-shadow:4px 4px  
4px 4px #6C87B9; box-shadow:4px 4px 4px  
4px #6C87B9 }
```

# Background

The CSS property to change the background color of an element to Hex 6C87B9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6C87B9 }
```

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

```
.background{ background-color:#6C87B9 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor