

# Converting Colors

Hex(6C78B7)

Have a look what the booklet for  
Hex(6C78B7) contains.

<b>Hex(6C78B7)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(6C78B7)

# Conversions

## Conversions Part 1

Format	Color
Hex	6C78B7
RGB	108, 120, 183
RGB Percent	42%, 47%, 72%
CMY	0.5765, 0.5294, 0.2824
CMYK	0.41, 0.34, 0.00, 0.28
HSL	230°, 34%, 57%
HSV	230°, 41%, 72%
XYZ	21.4481, 20.0400, 47.5374
YIQ	123.5940, -27.3750, 17.0490

# Conversions

## Conversions Part 2

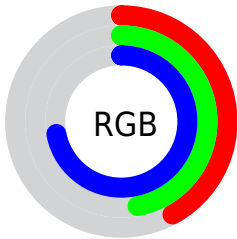
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	108, 118, 183
Decimal	7108791
CIE Lab	51.88, 11.81, -34.69
CIE LCh	52, 36.641, 288.802
Yxy	20.0400, 0.2409, 0.2251
Android (android.graphics.Color)	4285298871 (0xFF6C78B7)
YUV	123.5940, 29.2872, -13.6759
Hunter-Lab	44.7660, 7.1814, -31.6243

# Details

The Hex color **6C78B7** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **B7AB6C**, and the grayscale version is **7B7B7B**.

A 20% lighter version of the original color is **A2ACEF**, and **374882** is the 20% darker color. If you saturate the color by 10%, you get **5A69B7**, and if you desaturate by 10%, it is **7E87B7**.

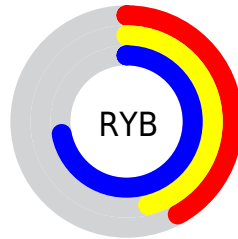
# Distribution



Red (42%)

Green (47%)

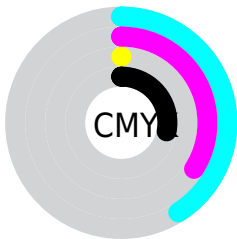
Blue (72%)



Red (42%)

Yellow (46%)

Blue (72%)

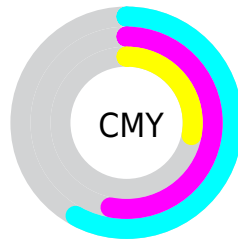


Cyan (41%)

Magenta (34%)

Yellow (0%)

Black (28%)



Cyan (58%)

Magenta (53%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 6C78B7 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 6C78B7 by changing the saturation by 10% instead.





6C78B7



6C78B7

FFFFFF



525F9C



A2ACEF



374882



BEC7FF



1B3268



DBE3FF



001D50



F8FFFF



000339



000222



000008



000000



6C78B7



6C78B7

■ 5A69B7

■ 7E87B7

■ 4759B7

■ 9197B7

■ 354AB7

■ A3A6B7

■ 233BB7

■ B5B5B7

■ 112BB7

■ C8C5B7

■ 001DB7

■ DAD4B7

■ ECE4B7

■ FEF3B7

■ FFFB7

# Harmonies

## Analogous

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



2982B9



6C78B7



976CA5

# Triad

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



6C78B7



AF6B4E



258B6E

# Complementary

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



6C78B7



B7AB6C

# 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.



578751



6C78B7



99763D

# Square

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



6C78B7



B86369



7B803E



008C8F

# Rectangle

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



6C78B7



AA6593



7B803E



398A64



# Sweetspot

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



6C78B7



D1D5ED



6CB7AB



676A78



F7F7F7



787878



# Same Dimension

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



6C78B7



798CED



856CB7



53545C



00199C



00041C



# Inverse Universe

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



B76C78



ED798C



9EB76C



5C5354



9C0019

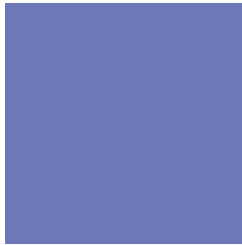


1C0004



# Previews

## White Background



This preview shows how the Hex color 6C78B7 looks on a white background.

## Color Contrast Check

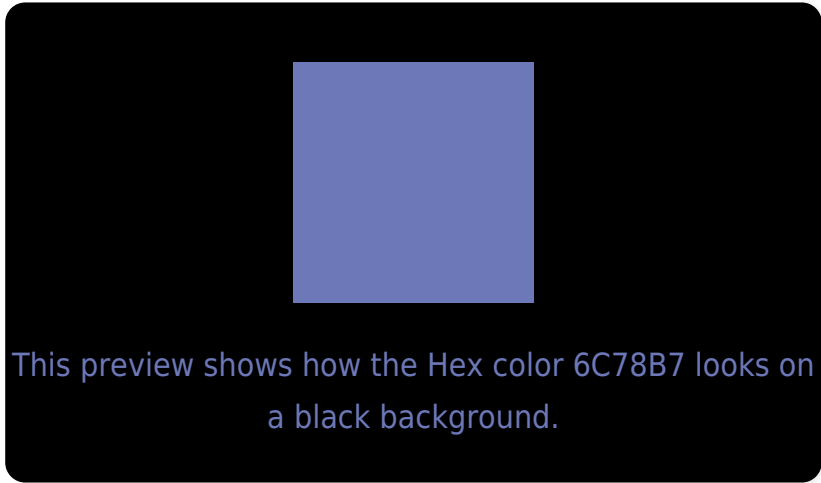
Large Text (above 18pt) WCAG AA ✓ Pass

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 6C78B7 Background



This preview shows how black text looks on a background with the Hex color 6C78B7.



This preview shows how white text looks on a background with the Hex color 6C78B7.

# 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**  
6C78B7

**Protanopia**  
6679B8

**Deuteranopia**  
627BB6



**Tritanopia**  
61818B

# Trichromacy



**Original Color**  
6C78B7

**Protanomaly**  
6879B8

**Deuteranomaly**  
667AB6

**Tritanomaly**  
657E9B

# Monochromacy



**Original Color**  
6C78B7

**Achromatopsia**  
7C7C7C

**Achromatomaly**  
767B91

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 6C78B7 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 #6C78B7 looks like.

```
.text, #text, p{  
    color:#6C78B7  
}
```

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 #6C78B7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6C78B7
}
```

## Border

The CSS property to change the border of an element to Hex 6C78B7 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
#6C78B7 }
```

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

```
.border{ border-color:#6C78B7 }
```

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

Here you see how a box with a 4 pixel #6C78B7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #6C78B7; -webkit-box-shadow:4px 4px  
4px 4px #6C78B7; box-shadow:4px 4px 4px  
4px #6C78B7 }
```

# Background

The CSS property to change the background color of an element to Hex 6C78B7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6C78B7 }
```

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

```
.background{ background-color:#6C78B7 }
```

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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