

# Converting Colors

Hex(4C78CA)

Have a look what the booklet for  
Hex(4C78CA) contains.

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# Color

**Hex(4C78CA)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4C78CA
RGB	76, 120, 202
RGB Percent	30%, 47%, 79%
CMY	0.7020, 0.5294, 0.2078
CMYK	0.62, 0.41, 0.00, 0.21
HSL	219°, 54%, 55%
HSV	219°, 62%, 79%
XYZ	20.3576, 19.2337, 58.5166
YIQ	116.1920, -52.5460, 16.1740

# Conversions

## Conversions Part 2

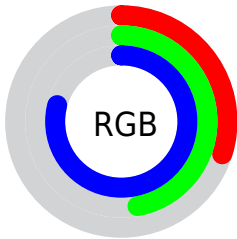
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	76, 109, 202
Decimal	5011658
CIE Lab	50.96, 10.54, -47.16
CIE LCh	51, 48.322, 282.597
Yxy	19.2337, 0.2075, 0.1960
Android (android.graphics.Color)	4283201738 (0xFF4C78CA)
YUV	116.1920, 42.3033, -35.2484
Hunter-Lab	43.8563, 6.1095, -48.4102

# Details

The Hex color **4C78CA** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **CA9E4C**, and the grayscale version is **747474**.

A 20% lighter version of the original color is **87ACFF**, and **004893** is the 20% darker color. If you saturate the color by 10%, you get **386BCA**, and if you desaturate by 10%, it is **6085CA**.

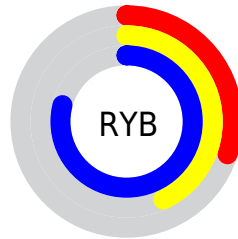
# Distribution



Red (30%)

Green (47%)

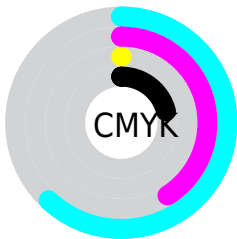
Blue (79%)



Red (30%)

Yellow (43%)

Blue (79%)

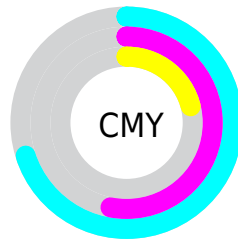


Cyan (62%)

Magenta (41%)

Yellow (0%)

Black (21%)



Cyan (70%)

Magenta (53%)

Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4C78CA 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 4C78CA by changing the saturation by 10% instead.



■ 4C78CA

■ 4C78CA

FFFFFF

■ 2A60AE

■ 87ACFF

■ 004893

■ A4C7FF

■ 003279

■ C1E3FF

■ 001E60

■ DFFFFF

■ 000348

■ FDFFFF

■ 000430

■ 00011A

■ 000000

■ 4C78CA

■ 4C78CA

■ 386BCA

■ 6085CA

■ 245ECA

■ 7492CA

■ 0F51CA

■ 899FCA

■ 0047CA

■ 9DADCA

■ B1BACA

■ C5C7CA

■ D9D4CA

■ EEE1CA

■ FFEECA

# Harmonies

## Analogous

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



0085C8



4C78CA



9267B6

# Triad

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



4C78CA



BC5E43



008C5F

# Complementary

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



4C78CA



CA9E4C

# 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.



518639



4C78CA



A36F27

# Square

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



4C78CA



C5546A



7F7D22



008D8A

# Rectangle

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



4C78CA



AE5CA0



7F7D22



218A52



# Sweetspot

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



4C78CA



CFDFFF



4CCA9E



626C80



000000



808080



# Same Dimension

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



4C78CA



4083FF



5F4CCA



5C5F66



003AA6



000D26



# Inverse Universe

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



CA4C78



FF4083



B7CA4C



665C5F



A6003A



26000D



# Previews

## White Background



This preview shows how the Hex color 4C78CA looks on a white background.

## Color Contrast Check

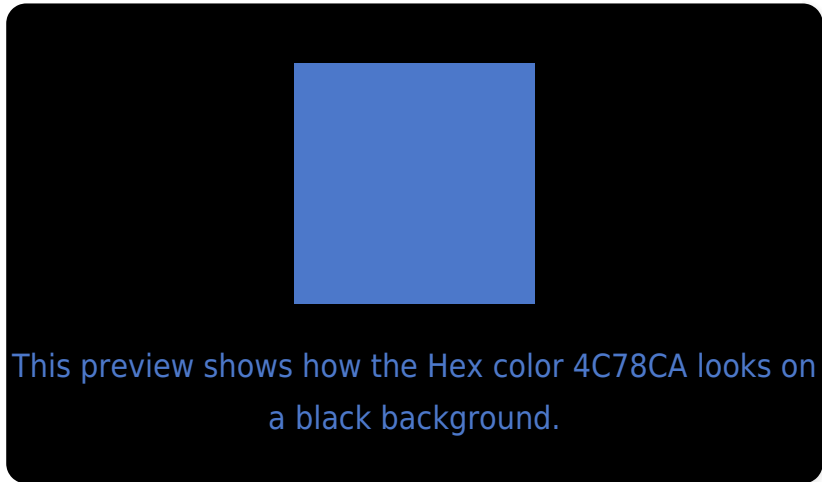
Large Text (above 18pt) WCAG AA ✓ Pass

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

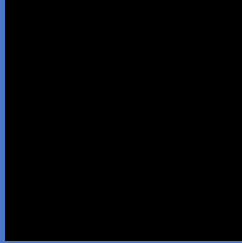
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

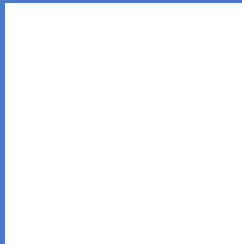
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 4C78CA Background



This preview shows how black text looks on a background with the Hex color 4C78CA.



This preview shows how white text looks on a background with the Hex color 4C78CA.

# 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](#).

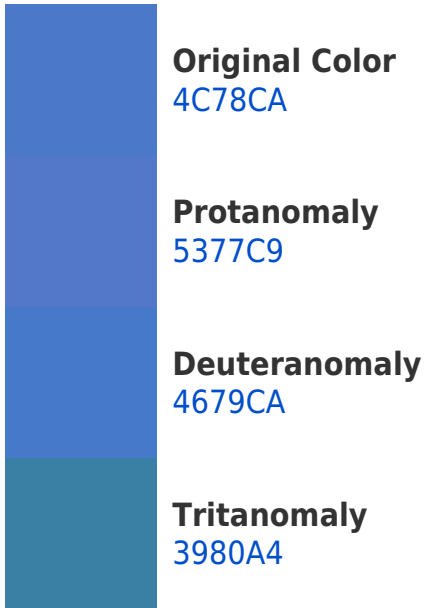
## Dichromacy



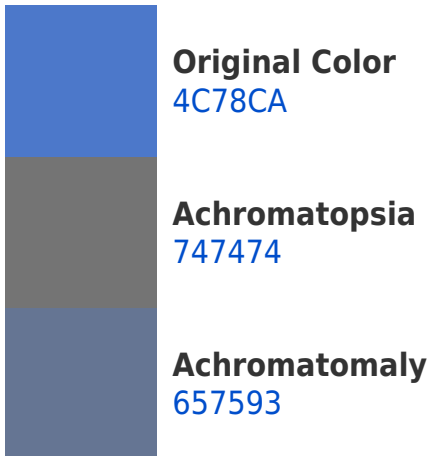


**Tritanopia**  
2E858F

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4C78CA 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 #4C78CA looks like.

```
.text, #text, p{  
    color:#4C78CA  
}
```

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 #4C78CA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4C78CA
}
```

## Border

The CSS property to change the border of an element to Hex 4C78CA 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".

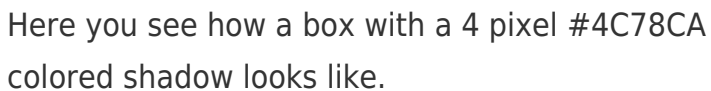
```
.border, #border, table{ border:4px solid
#4C78CA }
```

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

```
.border{ border-color:#4C78CA }
```

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

Here you see how a box with a 4 pixel #4C78CA colored shadow looks like.

A rectangular box with a blue border and a blue shadow. The box is white with a blue border and a blue shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4C78CA; -webkit-box-shadow:4px 4px  
4px 4px #4C78CA; box-shadow:4px 4px 4px  
4px #4C78CA }
```

# Background

The CSS property to change the background color of an element to Hex 4C78CA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4C78CA }
```

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

```
.background{ background-color:#4C78CA }
```

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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