

# Converting Colors

Hex(4C77AC)

Have a look what the booklet for  
Hex(4C77AC) contains.

|  |    |
|--|----|
| <b>Hex(4C77AC)</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(4C77AC)

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | 4C77AC                     |
| RGB           | 76, 119, 172               |
| RGB Percent   | 30%, 47%, 67%              |
| CMY           | 0.7020, 0.5333, 0.3255     |
| CMYK          | 0.56, 0.31, 0.00, 0.33     |
| HSL           | 213°, 39%, 49%             |
| HSV           | 213°, 56%, 67%             |
| XYZ           | 17.0237, 17.7087, 41.5506  |
| YIQ           | 112.1850, -42.6410, 7.3670 |

# Conversions

## Conversions Part 2

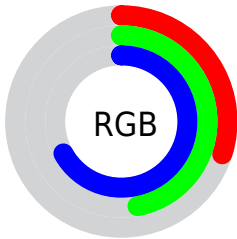
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 76, 106, 172                   |
| Decimal                             | 5011372                        |
| CIELab                              | 49.14, 1.06, -32.76            |
| CIElCh                              | 49, 32.773, 271.861            |
| Yxy                                 | 17.7087, 0.2232,<br>0.2321     |
| Android<br>(android.graphics.Color) | 4283201452<br>(0xFF4C77AC)     |
| YUV                                 | 112.1850, 29.4888,<br>-31.7342 |
| Hunter-Lab                          | 42.0817, -1.4327,<br>-29.0845  |

# Details

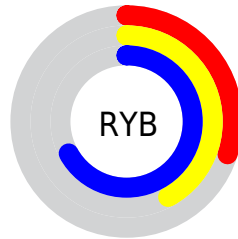
The Hex color **4C77AC** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **AC814C**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **83ABE4**, and **074777** is the 20% darker color. If you saturate the color by 10%, you get **3B6EAC**, and if you desaturate by 10%, it is **5D80AC**.

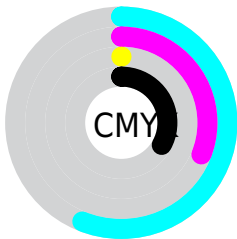
# Distribution



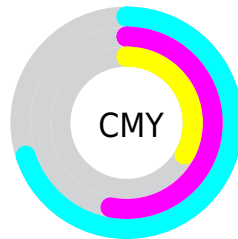
- Red (30%)
- Green (47%)
- Blue (67%)



- Red (30%)
- Yellow (42%)
- Blue (67%)



- Cyan (56%)
- Magenta (31%)
- Yellow (0%)
- Black (33%)



- Cyan (70%)
- Magenta (53%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4C77AC 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 4C77AC by changing the saturation by 10% instead.



■ 4C77AC

■ 4C77AC

FFFFFF

■ 2F5E91

■ 83ABE4

■ 074777

■ 9FC6FF

■ 00315E

■ BBE2FF

■ 001C46

■ D8FFFF

■ 000430

■ F6FFFF

■ 00011A

■ 000000

■ 4C77AC

■ 4C77AC

■ 3B6EAC

■ 5D80AC

■ 2A64AC

■ 6E8AAC

■ 185BAC

■ 8093AC

■ 0751AC

■ 919DAC

■ 004DAC

■ A2A6AC

■ B3B0AC

■ C4B9AC

■ D6C3AC

■ E7CCAC

# Harmonies

## Analogous

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



007FA5



4C77AC



7A6DA4

# Triad

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



4C77AC



A86159



45815A

# Complementary

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



4C77AC



AC814C

# 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.



687C44



4C77AC



9B6A44

# Square

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



4C77AC



A85E74



85743C



0F8376

# Rectangle

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



4C77AC



906697



85743C



528051



# Sweetspot

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



4C77AC



BACBE0



4CAC81



5A6470



F0F0F0



707070



# Same Dimension

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



4C77AC



4A8DE0



514CAC



4E5257



004396



000A17



# Inverse Universe

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



AC4C77



E04A8D



A7AC4C



574E52



960043

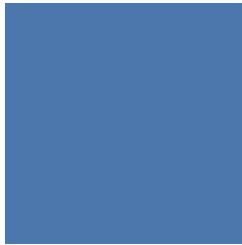


17000A



# Previews

## White Background



This preview shows how the Hex color 4C77AC looks on a white background.

## Color Contrast Check

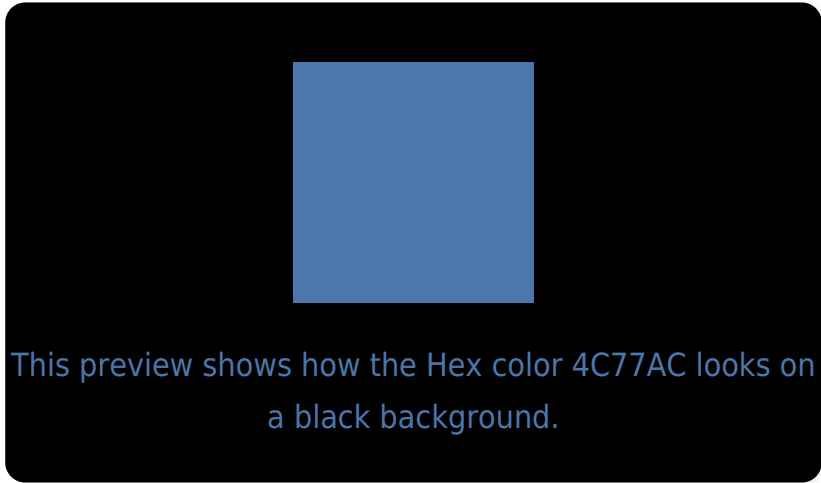
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

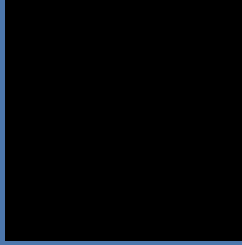
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 4C77AC Background



This preview shows how black text looks on a background with the Hex color 4C77AC.

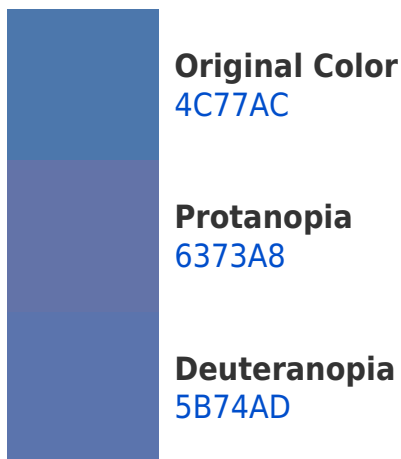


This preview shows how white text looks on a background with the Hex color 4C77AC.

# 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](#).

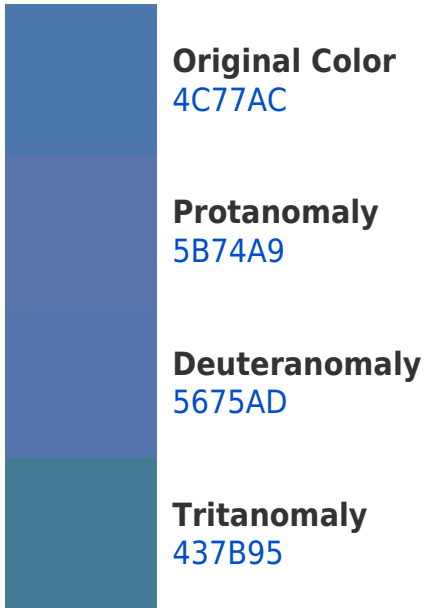
## Dichromacy



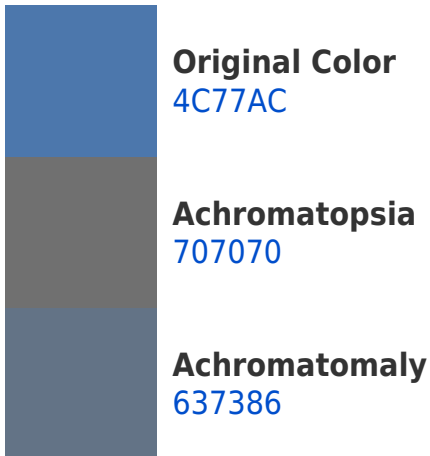


**Tritanopia**  
3E7E88

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4C77AC 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 #4C77AC looks like.

```
.text, #text, p{  
    color:#4C77AC  
}
```

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 #4C77AC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4C77AC
}
```

## Border

The CSS property to change the border of an element to Hex 4C77AC 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
#4C77AC }
```

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

```
.border{ border-color:#4C77AC }
```

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

Here you see how a box with a 4 pixel #4C77AC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4C77AC; -webkit-box-shadow:4px 4px  
4px 4px #4C77AC; box-shadow:4px 4px 4px  
4px #4C77AC }
```

# Background

The CSS property to change the background color of an element to Hex 4C77AC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4C77AC }
```

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

```
.background{ background-color:#4C77AC }
```

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