

# Converting Colors

Hex(4C6AAA)

Have a look what the booklet for  
Hex(4C6AAA) contains.

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# Color

**Hex(4C6AAA)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4C6AAA
RGB	76, 106, 170
RGB Percent	30%, 42%, 67%
CMY	0.7020, 0.5843, 0.3333
CMYK	0.55, 0.38, 0.00, 0.33
HSL	221°, 38%, 48%
HSV	221°, 55%, 67%
XYZ	15.3902, 14.7468, 40.0655
YIQ	104.3260, -38.4240, 13.5440

# Conversions

## Conversions Part 2

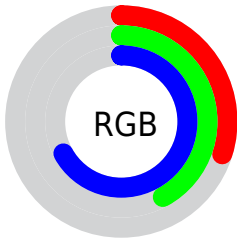
<b>Format</b>	<b>Color</b>
<b>RYB</b>	76, 99, 170
Decimal	5008042
CIELab	45.29, 8.36, -37.65
CIELCh	45, 38.571, 282.522
Yxy	14.7468, 0.2192, 0.2101
Android (android.graphics.Color)	4283198122 (0xFF4C6AAA)
YUV	104.3260, 32.3773, -24.8419
Hunter-Lab	38.4016, 4.3346, -34.9778

# Details

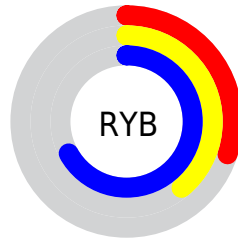
The Hex color **4C6AAA** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **AA8C4C**, and the grayscale version is **686868**.

A 20% lighter version of the original color is **839DE2**, and **093B75** is the 20% darker color. If you saturate the color by 10%, you get **3B5EAA**, and if you desaturate by 10%, it is **5D76AA**.

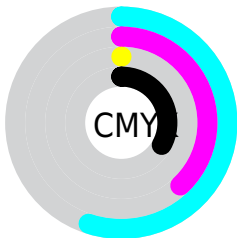
# Distribution



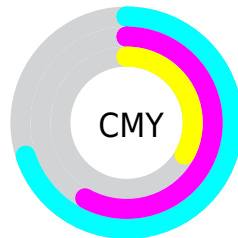
- Red (30%)
- Green (42%)
- Blue (67%)



- Red (30%)
- Yellow (39%)
- Blue (67%)



- Cyan (55%)
- Magenta (38%)
- Yellow (0%)
- Black (33%)



- Cyan (70%)
- Magenta (58%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4C6AAA 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 4C6AAA by changing the saturation by 10% instead.



■ 4C6AAA

■ 4C6AAA

FFFFFF

■ 2F528F

■ 839DE2

■ 093B75

■ 9FB8FE

■ 00265C

■ BBD3FF

■ 001244

■ D8F0FF

■ 00032E

■ F5FFFF

■ 000118

■ 000000

■ 4C6AAA

■ 4C6AAA

■ 3B5EAA

■ 5D76AA

■ 2A53AA

■ 6E81AA

■ 1947AA

■ 7F8DAA

■ 083CAA

■ 9098AA

■ 0036AA

■ A1A4AA

■ B2AFAA

■ C3BBAA

■ D4C7AA

■ E5D2AA

# Harmonies

## Analogous

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



0074A8



4C6AAA



7F5D9B

# Triad

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



4C6AAA



A15741



137A57

# Complementary

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



4C6AAA



AA8C4C

# 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.



4D763A



4C6AAA



8D632D

# Square

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



4C6AAA



A7505F



716E29



007B78

# Rectangle

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



4C6AAA



955589



716E29



2E794C



# Sweetspot

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



4C6AAA



B8C4DE



4CAA8B



5A6170



F0F0F0



707070



# Same Dimension

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



4C6AAA



4B7ADE



5C4CAA



4C4E54



002F94



000714



# Inverse Universe

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



AA4C6A



DE4B7A



9AAA4C



544C4E



94002F



140007



# Previews

## White Background



This preview shows how the Hex color 4C6AAA looks on a white background.

## Color Contrast Check

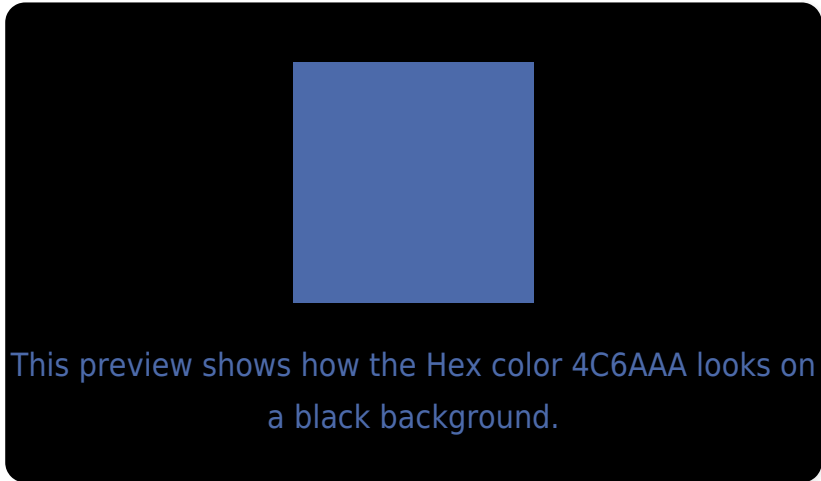
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4C6AAA Background



This preview shows how black text looks on a background with the Hex color 4C6AAA.



This preview shows how white text looks on a background with the Hex color 4C6AAA.

# 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**

4C6AAA

**Protanopia**

5369A9

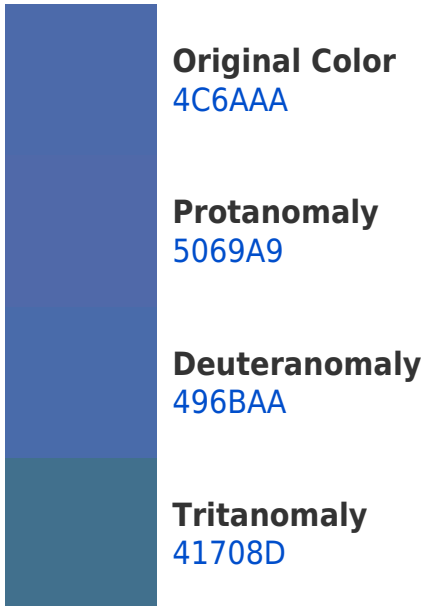
**Deuteranopia**

476BAA



**Tritanopia**  
3B737D

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4C6AAA 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 #4C6AAA looks like.

```
.text, #text, p{  
    color:#4C6AAA  
}
```

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 #4C6AAA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4C6AAA
}
```

## Border

The CSS property to change the border of an element to Hex 4C6AAA 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
#4C6AAA }
```

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

```
.border{ border-color:#4C6AAA }
```

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

Here you see how a box with a 4 pixel #4C6AAA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4C6AAA; -webkit-box-shadow:4px 4px  
4px 4px #4C6AAA; box-shadow:4px 4px 4px  
4px #4C6AAA }
```

# Background

The CSS property to change the background color of an element to Hex 4C6AAA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4C6AAA }
```

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

```
.background{ background-color:#4C6AAA }
```

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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