

# Converting Colors

Hex(4C87A9)

Have a look what the booklet for  
Hex(4C87A9) contains.

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# Color

**Hex(4C87A9)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4C87A9
RGB	76, 135, 169
RGB Percent	30%, 53%, 66%
CMY	0.7020, 0.4706, 0.3373
CMYK	0.55, 0.20, 0.00, 0.34
HSL	202°, 38%, 48%
HSV	202°, 55%, 66%
XYZ	18.8059, 21.7290, 40.7391
YIQ	121.2350, -46.0780, -1.9340

# Conversions

## Conversions Part 2

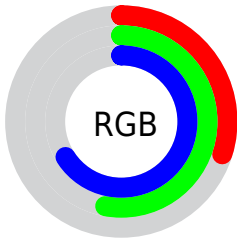
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	76, 112, 169
Decimal	5015465
CIE <sub>Lab</sub>	53.74, -9.24, -23.88
CIE <sub>LCh</sub>	54, 25.604, 248.842
Yxy	21.7290, 0.2314, 0.2674
Android (android.graphics.Color)	4283205545 (0xFF4C87A9)
YUV	121.2350, 23.5481, -39.6711
Hunter-Lab	46.6144, -9.5620, -19.1869

# Details


The Hex color **4C87A9** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **A96E4C**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **83BCE0**, and **075575** is the 20% darker color. If you saturate the color by 10%, you get **3B81A9**, and if you desaturate by 10%, it is **5D8DA9**.

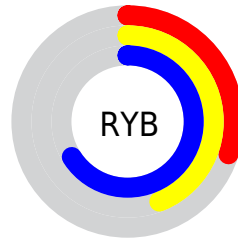
# Distribution



 Red (30%)

 Green (53%)

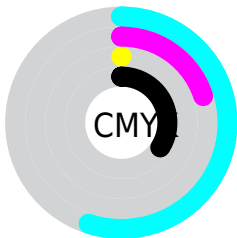
 Blue (66%)




 Red (30%)

 Yellow (44%)

 Blue (66%)

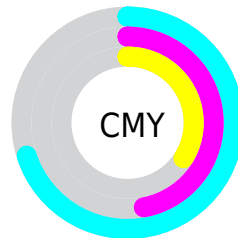



 Cyan (55%)


 Magenta (20%)

 Yellow (0%)

 Black (34%)



 Cyan (70%)

 Magenta (47%)

 Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4C87A9 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 4C87A9 by changing the saturation by 10% instead.





4C87A9



4C87A9

FFFFFF



2F6E8E



83BCE0



075575



9FD8FD



003E5C



BBF4FF



002844



D8FFFF



00142E



F6FFFF



000119



000000



4C87A9



4C87A9



3B81A9



5D8DA9

■ 2A7BA9

■ 6E93A9

■ 1974A9

■ 7F9AA9

■ 086EA9

■ 90A0A9

■ 006BA9

■ A0A6A9

■ B1ACA9

■ C2B2A9

■ D3B8A9

■ E4BFA9

# Harmonies

## Analogous

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



378B9B



4C87A9



6D80AC

# Triad

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



4C87A9



AC707B



71875D

# Complementary

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



4C87A9



A96E4C

# 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.



898155



4C87A9



AA7366

# Square

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



4C87A9



A27291



9D7A58



578B70

# Rectangle

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



4C87A9



827BA7



9D7A58



798559



# Sweetspot

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



4C87A9



B6CEDB



4CA96D



58666E



EDEDED



6E6E6E



# Same Dimension

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



4C87A9



4BA6DB



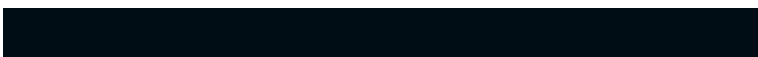
4C5AA9



4C5154



005E94



000D14



# Inverse Universe

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



A94C87



DB4BA6



A99B4C



544C51



94005E



14000D



# Previews

## White Background



This preview shows how the Hex color 4C87A9 looks on a white background.

## Color Contrast Check

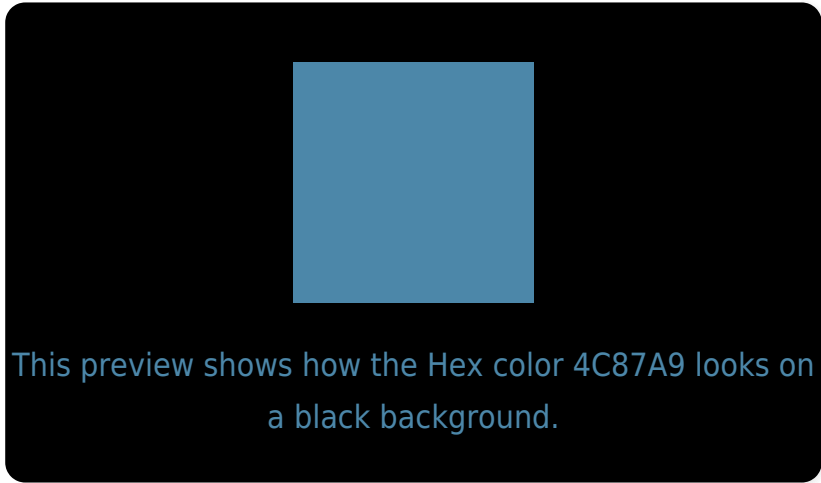
Large Text (above 18pt) WCAG AA ✓ Pass

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

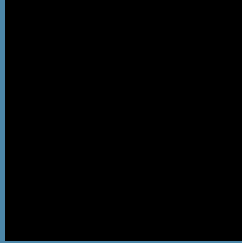
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 4C87A9 Background



This preview shows how black text looks on a background with the Hex color 4C87A9.

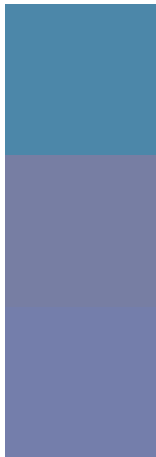


This preview shows how white text looks on a background with the Hex color 4C87A9.

# 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**  
4C87A9

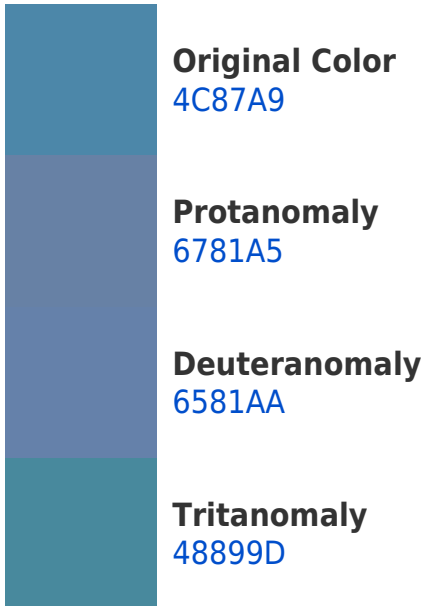
**Protanopia**  
777EA3

**Deuteranopia**  
747EAB

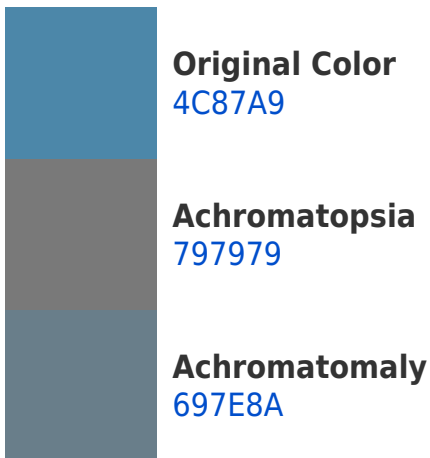


**Tritanopia**  
458A96

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4C87A9 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 #4C87A9 looks like.

```
.text, #text, p{  
    color:#4C87A9  
}
```

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 #4C87A9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4C87A9
}
```

## Border

The CSS property to change the border of an element to Hex 4C87A9 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
#4C87A9 }
```

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

```
.border{ border-color:#4C87A9 }
```

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

Here you see how a box with a 4 pixel #4C87A9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4C87A9; -webkit-box-shadow:4px 4px  
4px 4px #4C87A9; box-shadow:4px 4px 4px  
4px #4C87A9 }
```

# Background

The CSS property to change the background color of an element to Hex 4C87A9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4C87A9 }
```

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

```
.background{ background-color:#4C87A9 }
```

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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