

# Converting Colors

Hex(4D87B7)

Have a look what the booklet for  
Hex(4D87B7) contains.

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# Color

**Hex(4D87B7)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4D87B7
RGB	77, 135, 183
RGB Percent	30%, 53%, 72%
CMY	0.6980, 0.4706, 0.2824
CMYK	0.58, 0.26, 0.00, 0.28
HSL	207°, 42%, 51%
HSV	207°, 58%, 72%
XYZ	20.2718, 22.3246, 48.0404
YIQ	123.1300, -49.9760, 2.6320

# Conversions

## Conversions Part 2

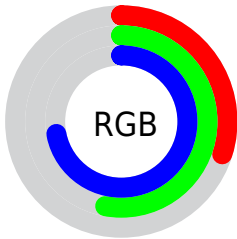
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	77, 114, 183
Decimal	5081015
CIE Lab	54.37, -4.58, -30.93
CIE LCh	54, 31.268, 261.574
Yxy	22.3246, 0.2237, 0.2463
Android (android.graphics.Color)	4283271095 (0xFF4D87B7)
YUV	123.1300, 29.5159, -40.4560
Hunter-Lab	47.2489, -6.1016, -27.2089

# Details

The Hex color **4D87B7** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **B77D4D**, and the grayscale version is **7B7B7B**.

A 20% lighter version of the original color is **86BCEF**, and **005682** is the 20% darker color. If you saturate the color by 10%, you get **3B7FB7**, and if you desaturate by 10%, it is **5F8FB7**.

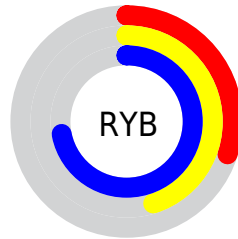
# Distribution



Red (30%)

Green (53%)

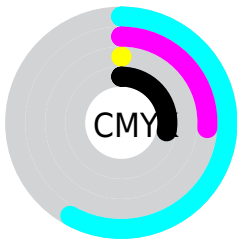
Blue (72%)



Red (30%)

Yellow (45%)

Blue (72%)

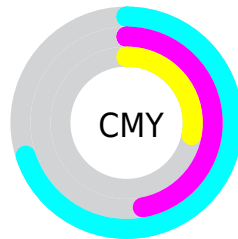


Cyan (58%)

Magenta (26%)

Yellow (0%)

Black (28%)



Cyan (70%)

Magenta (47%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4D87B7 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 4D87B7 by changing the saturation by 10% instead.



■ 4D87B7

■ 4D87B7

FFFFFF

■ 2F6E9C

■ 86BCEF

■ 005682

■ A2D8FF

■ 003F68

■ BFF4FF

■ 002950

■ DCFFFF

■ 001539

■ F9FFFF

■ 000223

■ 00000A

■ 000000

■ 4D87B7

■ 4D87B7

■ 3B7FB7

■ 5F8FB7

■ 2876B7

■ 7298B7

■ 166EB7

■ 84A0B7

■ 0466B7

■ 96A8B7

■ 0064B7

■ A9B0B7

■ BBB9B7

■ CDC1B7

■ DFC9B7

■ F2D2B7

# Harmonies

## Analogous

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



1A8DAC



4D87B7



7A7EB4

# Triad

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



4D87B7



B76E70



618D60

# Complementary

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



4D87B7



B77D4D

# 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.



80864F



4D87B7



AE7459

# Square

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



4D87B7



B16E8B



9B7E4C



3D9079

# Rectangle

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



4D87B7



9377AB



9B7E4C



6C8B59



# Sweetspot

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



4D87B7



C5DBED



4DB77D



606D78



F7F7F7



787878



# Same Dimension

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



4D87B7



47A2ED



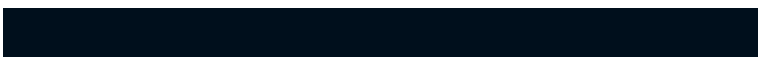
4D52B7



53585C



00559C



000F1C



# Inverse Universe

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



B74D87



ED47A2



B7B24D



5C5358



9C0055



1C000F



# Previews

## White Background



This preview shows how the Hex color 4D87B7 looks on a white background.

## Color Contrast Check

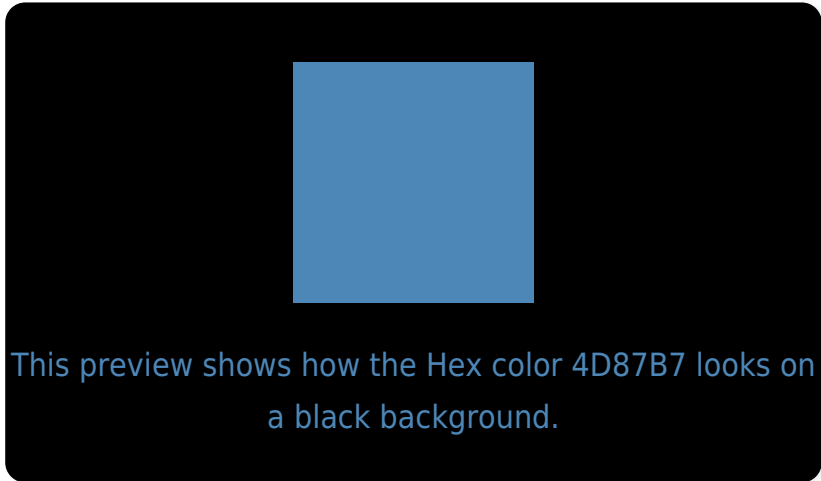
Large Text (above 18pt) WCAG AA ✓ Pass

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

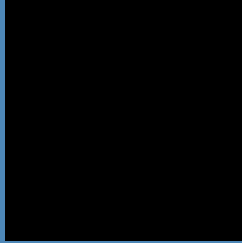
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

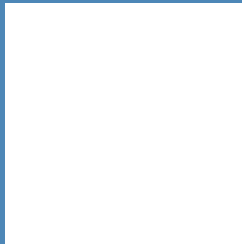
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 4D87B7 Background



This preview shows how black text looks on a background with the Hex color 4D87B7.



This preview shows how white text looks on a background with the Hex color 4D87B7.

# 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](#).

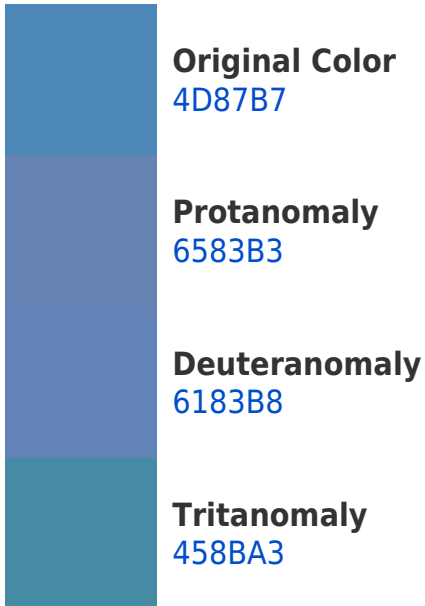
## Dichromacy



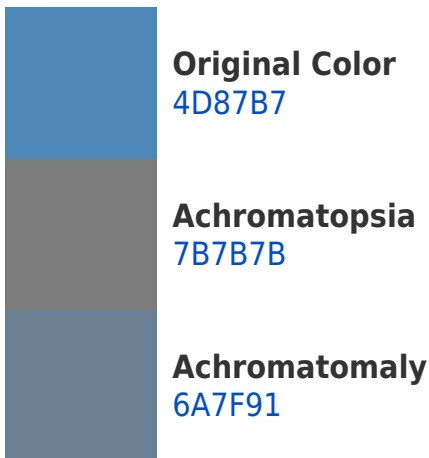


**Tritanopia**  
408D98

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4D87B7 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 #4D87B7 looks like.

```
.text, #text, p{  
    color:#4D87B7  
}
```

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 #4D87B7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4D87B7
}
```

## Border

The CSS property to change the border of an element to Hex 4D87B7 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
#4D87B7 }
```

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

```
.border{ border-color:#4D87B7 }
```

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

Here you see how a box with a 4 pixel #4D87B7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4D87B7; -webkit-box-shadow:4px 4px  
4px 4px #4D87B7; box-shadow:4px 4px 4px  
4px #4D87B7 }
```

# Background

The CSS property to change the background color of an element to Hex 4D87B7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4D87B7 }
```

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

```
.background{ background-color:#4D87B7 }
```

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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