

# Converting Colors

Hex(4868B7)

Have a look what the booklet for  
Hex(4868B7) contains.

<b>Hex(4868B7)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(4868B7)

# Conversions

## Conversions Part 1

Format	Color
Hex	4868B7
RGB	72, 104, 183
RGB Percent	28%, 41%, 72%
CMY	0.7176, 0.5922, 0.2824
CMYK	0.61, 0.43, 0.00, 0.28
HSL	223°, 44%, 50%
HSV	223°, 61%, 72%
XYZ	16.1700, 14.6972, 46.7843
YIQ	103.4380, -44.4310, 17.7850

# Conversions

## Conversions Part 2

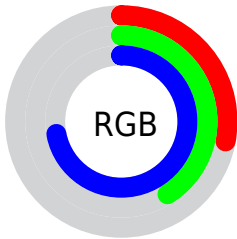
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	72, 97, 183
Decimal	4745399
CIE <sub>Lab</sub>	45.22, 13.19, -45.37
CIE <sub>LCh</sub>	45, 47.250, 286.205
Yxy	14.6972, 0.2082, 0.1893
Android (android.graphics.Color)	4282935479 (0xFF4868B7)
YUV	103.4380, 39.2241, -27.5711
Hunter-Lab	38.3370, 8.1993, -45.5184

# Details

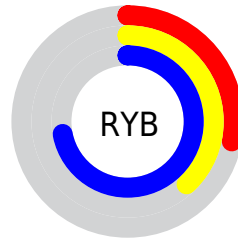
The Hex color **4868B7** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **B79748**, and the grayscale version is **676767**.

A 20% lighter version of the original color is **819BEF**, and **003A81** is the 20% darker color. If you saturate the color by 10%, you get **365BB7**, and if you desaturate by 10%, it is **5A75B7**.

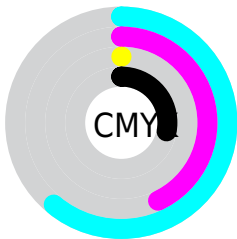
# Distribution



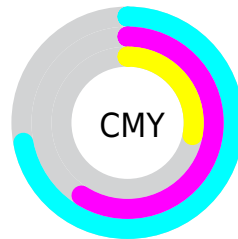
- Red (28%)
- Green (41%)
- Blue (72%)



- Red (28%)
- Yellow (38%)
- Blue (72%)



- Cyan (61%)
- Magenta (43%)
- Yellow (0%)
- Black (28%)



- Cyan (72%)
- Magenta (59%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4868B7 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 4868B7 by changing the saturation by 10% instead.



 4868B7

 4868B7

FFFFFF

 28509C

 819BEF

 003A81

 9EB5FF

 002568

 BBD1FF

 00114F

 D8EDFF

 000538

 F5FFFF

 000221

 000006

 000000

 4868B7

 4868B7

■ 365BB7

■ 5A75B7

■ 234EB7

■ 6D82B7

■ 1141B7

■ 7F8FB7

■ 0035B7

■ 919CB7

■ A4A9B7

■ B6B6B7

■ C8C3B7

■ DAD0B7

■ EDDDB7

# Harmonies

## Analogous

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



0075B8



4868B7



8857A2

# Triad

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



4868B7



A85333



007D57

# Complementary

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



4868B7



B79748

# 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.



3D7831



4868B7



8F6318

# Square

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



4868B7



B34757



6B7016



007E80

# Rectangle

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



4868B7



A14D8C



6B7016



007C4A



# Sweetspot

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



4868B7



C2CFED



48B796



5D6578



F7F7F7



787878



# Same Dimension

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



4868B7



4072ED



5E48B7



53555C



002D9C



00081C



# Inverse Universe

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



B74868



ED4072



A1B748



5C5355



9C002D

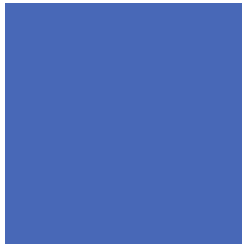


1C0008



# Previews

## White Background



This preview shows how the Hex color 4868B7 looks on a white background.

## Color Contrast Check

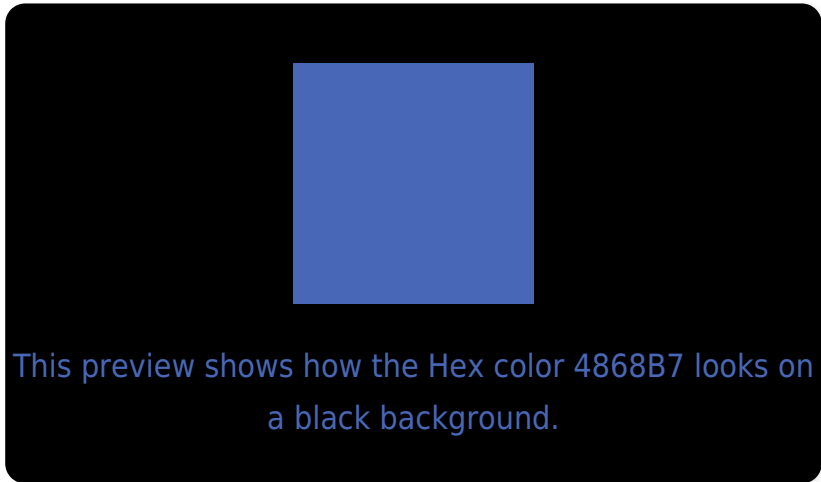
Large Text (above 18pt) WCAG AA ✓ Pass

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

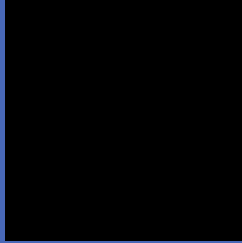
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4868B7 Background



This preview shows how black text looks on a background with the Hex color 4868B7.



This preview shows how white text looks on a background with the Hex color 4868B7.

# 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](#).

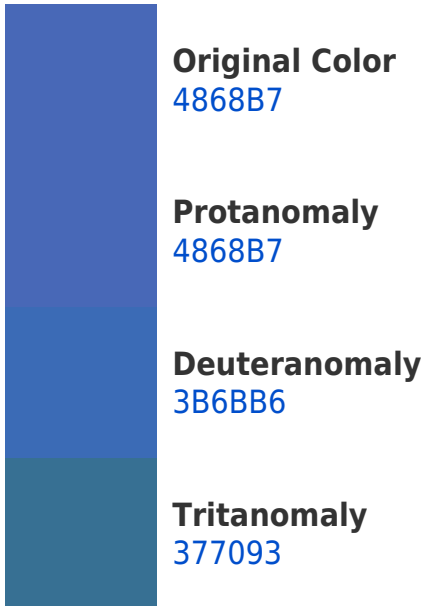
## Dichromacy





**Tritanopia**  
2D757E

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4868B7 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 #4868B7 looks like.

```
.text, #text, p{  
    color:#4868B7  
}
```

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 #4868B7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4868B7  
}
```

## Border

The CSS property to change the border of an element to Hex 4868B7 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  
#4868B7 }
```

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

```
.border{ border-color:#4868B7 }
```

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

Here you see how a box with a 4 pixel #4868B7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4868B7; -webkit-box-shadow:4px 4px  
4px 4px #4868B7; box-shadow:4px 4px 4px  
4px #4868B7 }
```

# Background

The CSS property to change the background color of an element to Hex 4868B7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4868B7 }
```

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

```
.background{ background-color:#4868B7 }
```

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