

# Converting Colors

Hex(4176B8)

Have a look what the booklet for  
Hex(4176B8) contains.

<b>Hex(4176B8)</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(4176B8)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4176B8
RGB	65, 118, 184
RGB Percent	25%, 46%, 72%
CMY	0.7451, 0.5373, 0.2784
CMYK	0.65, 0.36, 0.00, 0.28
HSL	213°, 48%, 49%
HSV	213°, 65%, 72%
XYZ	17.3101, 17.5414, 47.8209
YIQ	109.6770, -52.7740, 9.2900

# Conversions

## Conversions Part 2

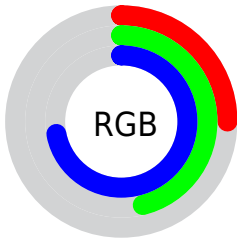
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	65, 102, 184
Decimal	4290232
CIE Lab	48.94, 3.52, -40.07
CIE LCh	49, 40.223, 275.025
Yxy	17.5414, 0.2094, 0.2122
Android (android.graphics.Color)	4282480312 (0xFF4176B8)
YUV	109.6770, 36.6412, -39.1817
Hunter-Lab	41.8824, 0.4804, -38.3790

# Details

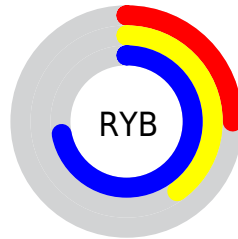
The Hex color **4176B8** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **B88341**, and the grayscale version is **6D6D6D**.

A 20% lighter version of the original color is **7CAAF0**, and **004682** is the 20% darker color. If you saturate the color by 10%, you get **2F6CB8**, and if you desaturate by 10%, it is **5380B8**.

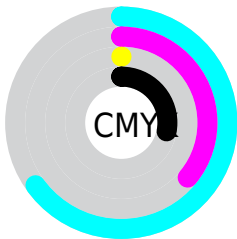
# Distribution



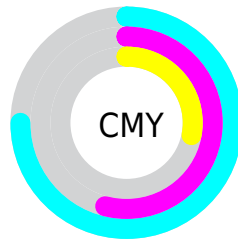
- Red (25%)
- Green (46%)
- Blue (72%)



- Red (25%)
- Yellow (40%)
- Blue (72%)



- Cyan (65%)
- Magenta (36%)
- Yellow (0%)
- Black (28%)



- Cyan (75%)
- Magenta (54%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4176B8 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 4176B8 by changing the saturation by 10% instead.



■ 4176B8

■ 4176B8

FFFFFF

■ 1D5E9D

■ 7CAAFO

■ 004682

■ 98C5FF

■ 003069

■ B5E1FF

■ 001C50

■ D2FDFF

■ 000539

■ FOFFFF

■ 000223

■ 000009

■ 000000

■ 4176B8

■ 4176B8

■ 2F6CB8

■ 5380B8

■ 1C62B8

■ 668AB8

■ 0A57B8

■ 7895B8

■ 0052B8

■ 8B9FB8

■ 9DA9B8

■ AFB3B8

■ C2BDB8

■ D4C8B8

■ E7D2B8

# Harmonies

## Analogous

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



007FB1



4176B8



7E69AC

# Triad

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



4176B8



B15C4F



2E8356

# Complementary

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



4176B8



B88341

# 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.



5F7E3A



4176B8



9F6836

# Square

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



4176B8



B35770



83742D



008579

# Rectangle

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



4176B8



99609C



83742D



42824C



# Sweetspot

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



4176B8



C2D6F0



41B882



5C6978



F7F7F7



787878



# Same Dimension

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



4176B8



3588F0



4741B8



53575C



00459C



000C1C



# Inverse Universe

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



B84176



F03588



B2B841



5C5357



9C0045

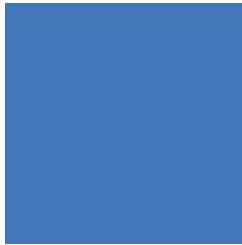


1C000C



# Previews

## White Background



This preview shows how the Hex color 4176B8 looks on a white background.

## Color Contrast Check

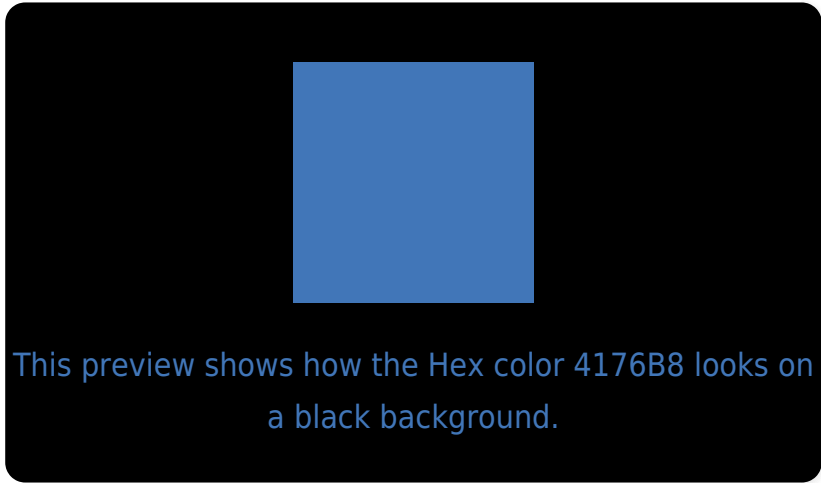
Large Text (above 18pt) WCAG AA ✓ Pass

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

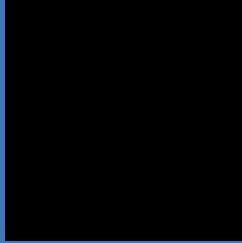
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 4176B8 Background



This preview shows how black text looks on a background with the Hex color 4176B8.



This preview shows how white text looks on a background with the Hex color 4176B8.

# 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](#).

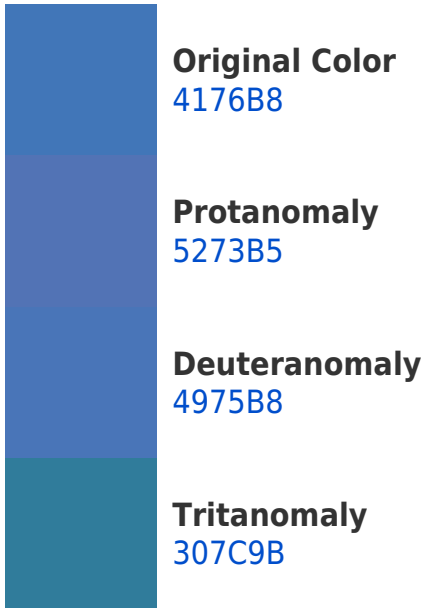
## Dichromacy



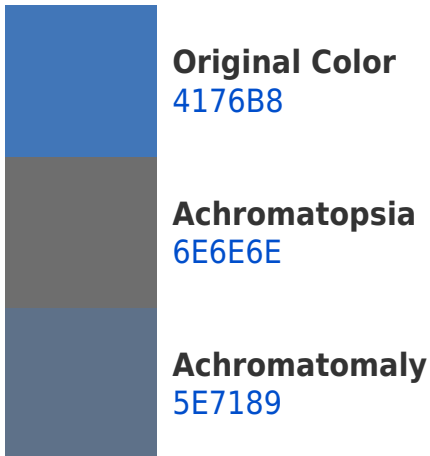


**Tritanopia**  
277F8A

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4176B8 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 #4176B8 looks like.

```
.text, #text, p{  
    color:#4176B8  
}
```

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 #4176B8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4176B8
}
```

## Border

The CSS property to change the border of an element to Hex 4176B8 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
#4176B8 }
```

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

```
.border{ border-color:#4176B8 }
```

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

Here you see how a box with a 4 pixel #4176B8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4176B8; -webkit-box-shadow:4px 4px  
4px 4px #4176B8; box-shadow:4px 4px 4px  
4px #4176B8 }
```

# Background

The CSS property to change the background color of an element to Hex 4176B8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4176B8 }
```

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

```
.background{ background-color:#4176B8 }
```

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