

# Converting Colors

Hex(2177B8)

Have a look what the booklet for  
Hex(2177B8) contains.

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# Color

Hex(2177B8)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2177B8
RGB	33, 119, 184
RGB Percent	13%, 47%, 72%
CMY	0.8706, 0.5333, 0.2784
CMYK	0.82, 0.35, 0.00, 0.28
HSL	206°, 70%, 43%
HSV	206°, 82%, 72%
XYZ	15.8758, 16.9777, 47.7877
YIQ	100.6960, -72.1210, 1.9830

# Conversions

## Conversions Part 2

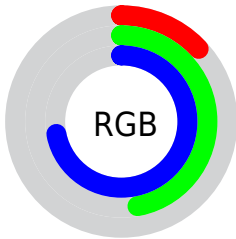
<b>Format</b>	<b>Color</b>
<b>RYB</b>	33, 88, 184
Decimal	2193336
CIELab	48.23, -1.50, -41.25
CIELCh	48, 41.273, 267.916
Yxy	16.9777, 0.1969, 0.2105
Android (android.graphics.Color)	4280383416 (0xFF2177B8)
YUV	100.6960, 41.0689, -59.3694
Hunter-Lab	41.2040, -3.3315, -39.9208

# Details

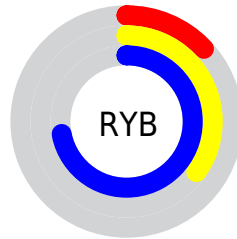
The Hex color **2177B8** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **B86221**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **67ABF0**, and **004782** is the 20% darker color. If you saturate the color by 10%, you get **0F6FB8**, and if you desaturate by 10%, it is **337FB8**.

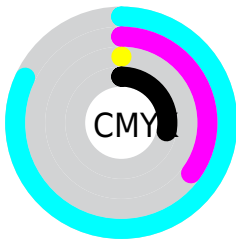
# Distribution



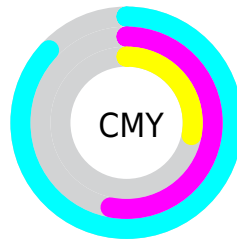
- Red (13%)
- Green (47%)
- Blue (72%)



- Red (13%)
- Yellow (35%)
- Blue (72%)



- Cyan (82%)
- Magenta (35%)
- Yellow (0%)
- Black (28%)



- Cyan (87%)
- Magenta (53%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2177B8 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 2177B8 by changing the saturation by 10% instead.



■ 2177B8

■ 2177B8

FFFFFF

■ 005F9D

■ 67ABF0

■ 004782

■ 85C6FF

■ 003169

■ A3E2FF

■ 001D50

■ C0FFFF

■ 000539

■ DEFFFF

■ 000223

■ FCFFFF

■ 000009

■ 000000

■ 2177B8

■ 2177B8

0F6FB8

337FB8

0069B8

4687B8

588FB8

6B97B8

7D9FB8

8FA7B8

A2AEB8

B4B6B8

C7BEB8

# Harmonies

## Analogous

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



007FAD



2177B8



706AB0

# Triad

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



2177B8



B25754



38814C

# Complementary

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



2177B8



B86221

# 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.



667A32



2177B8



A36338

# Square

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



2177B8



B05476



88702A



00846F

# Rectangle

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



2177B8



8F61A2



88702A



4A7F42



# Sweetspot

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



2177B8



B4D6F0



21B860



546878



F7F7F7



787878



# Same Dimension

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



2177B8



058BF0



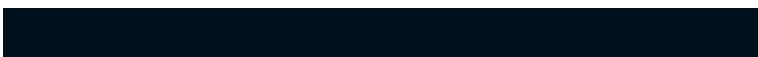
212EB8



53585C



00599C



00101C



# Inverse Universe

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



B82177



F0058B



B8AB21



5C5358



9C0059



1C0010



# Previews

## White Background



This preview shows how the Hex color 2177B8 looks on a white background.

## Color Contrast Check

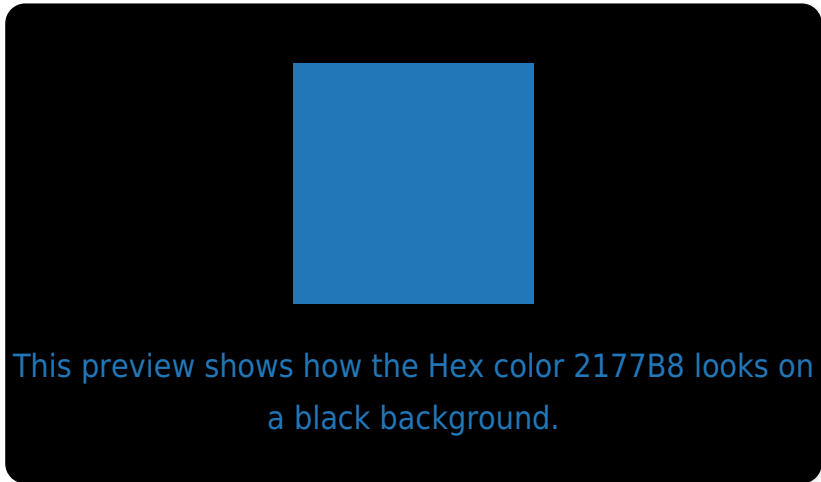
Large Text (above 18pt) WCAG AA ✓ Pass

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

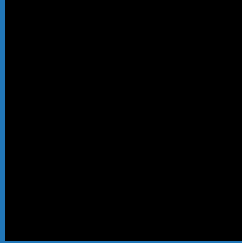
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2177B8 Background



This preview shows how black text looks on a background with the Hex color 2177B8.

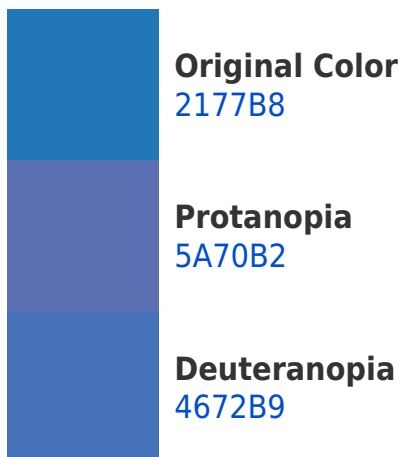


This preview shows how white text looks on a background with the Hex color 2177B8.

# 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](#).

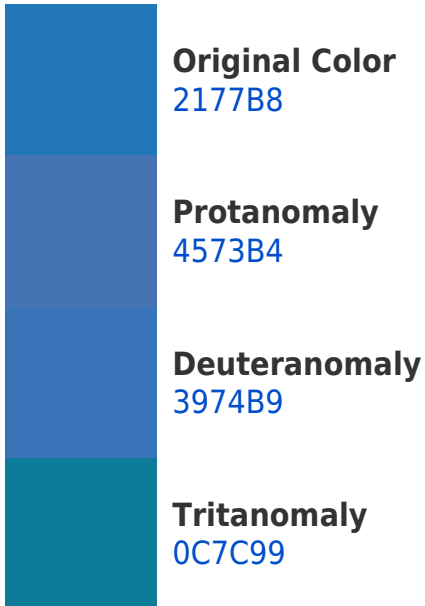
## Dichromacy





**Tritanopia**  
007F88

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2177B8 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 #2177B8 looks like.

```
.text, #text, p{  
    color:#2177B8  
}
```

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 #2177B8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2177B8
}
```

## Border

The CSS property to change the border of an element to Hex 2177B8 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
#2177B8 }
```

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

```
.border{ border-color:#2177B8 }
```

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

Here you see how a box with a 4 pixel #2177B8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2177B8; -webkit-box-shadow:4px 4px  
4px 4px #2177B8; box-shadow:4px 4px 4px  
4px #2177B8 }
```

# Background

The CSS property to change the background color of an element to Hex 2177B8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2177B8 }
```

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

```
.background{ background-color:#2177B8 }
```

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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