

# Converting Colors

Hex(0080BF)

Have a look what the booklet for  
Hex(0080BF) contains.

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# Color

**Hex(0080BF)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0080BF
RGB	0, 128, 191
RGB Percent	0%, 50%, 75%
CMY	1.0000, 0.4980, 0.2510
CMYK	1.00, 0.33, 0.00, 0.25
HSL	200°, 100%, 37%
HSV	200°, 100%, 75%
XYZ	17.1231, 19.1999, 52.0937
YIQ	96.9100, -96.5110, -7.5430

# Conversions

## Conversions Part 2

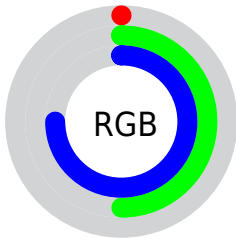
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 77, 191
Decimal	32959
CIELab	50.92, -6.06, -41.04
CIELCh	51, 41.489, 261.604
Yxy	19.1999, 0.1937, 0.2172
Android (android.graphics.Color)	4278223039 (0xFF0080BF)
YUV	96.9100, 46.3864, -84.9901
Hunter-Lab	43.8177, -6.9266, -39.8158

# Details

The Hex color **0080BF** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **BF3F00**, and the grayscale version is **616161**.

A 20% lighter version of the original color is **5FB5F8**, and **004F89** is the 20% darker color. If you saturate the color by 10%, you get **0080BF**, and if you desaturate by 10%, it is **1386BF**.

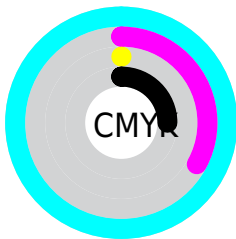
# Distribution



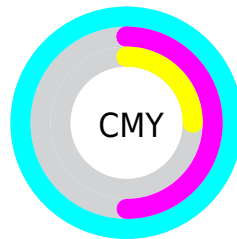
- Red (0%)
- Green (50%)
- Blue (75%)



- Red (0%)
- Yellow (30%)
- Blue (75%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (50%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0080BF 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 0080BF by changing the saturation by 10% instead.



 0080BF

 0080BF

FFFFFF

 0067A4

 5FB5F8

 004F89

 7FD0FF

 00396F

 9DECFF

 002457

 BBFFFF

 000D3F

 D9FFFF

 000328

 F8FFFF

 000112

 000000

 0080BF

 1386BF

 268DBF

 3993BF

 4C99BF

 609FBF

 73A6BF

 86ACBF

 99B2BF

 ACB9BF

# Harmonies

## Analogous

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



0088B0



0080BF



6B74BB

# Triad

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



0080BF



BB5C61



4A874C

# Complementary

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



0080BF



BF3F00

# 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.



757F34



0080BF



AF6743

# Square

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



0080BF



B55C85



967431



008A6E

# Rectangle

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



0080BF



8E6AAE



967431



5A8542

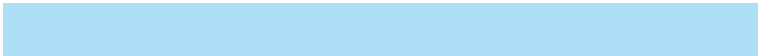


# Sweetspot

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



0080BF



ADDFF7



00BF3C



506E7D



FCFCFC



7D7D7D



# Same Dimension

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



0080BF



00A6F7



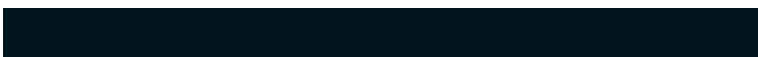
0023BF



555B5E



006A9E



00151F



# Inverse Universe

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



BF0080



F700A6



BF9C00



5E555B



9E006A



1F0015



# Previews

## White Background



This preview shows how the Hex color 0080BF looks on a white background.

## Color Contrast Check

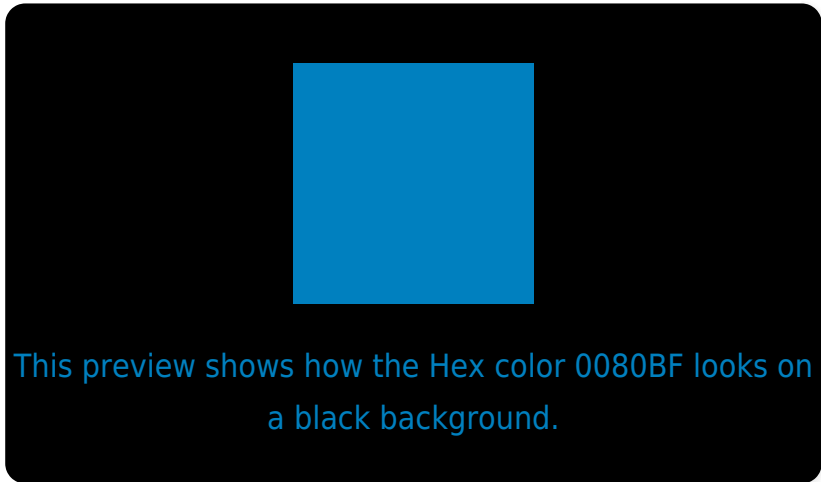
Large Text (above 18pt) WCAG AA ✓ Pass

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

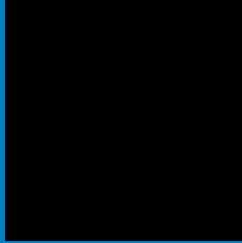
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 0080BF Background



This preview shows how black text looks on a background with the Hex color 0080BF.



This preview shows how white text looks on a background with the Hex color 0080BF.

# Color Blindness Simulation

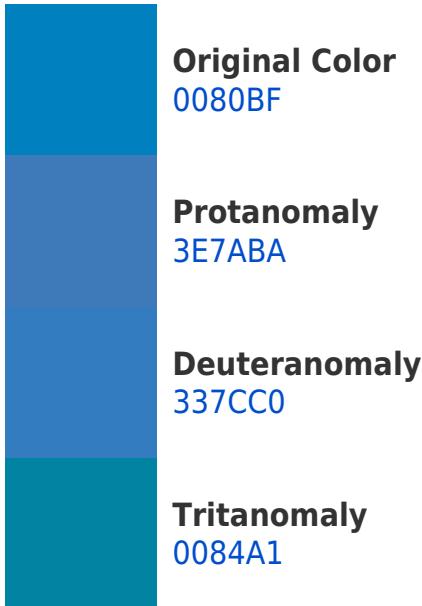
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0080BF 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 #0080BF looks like.

```
.text, #text, p{  
    color:#0080BF  
}
```

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 #0080BF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0080BF
}
```

## Border

The CSS property to change the border of an element to Hex 0080BF is called "border". The border property can be set on classes, ids or directly on the HTML element.

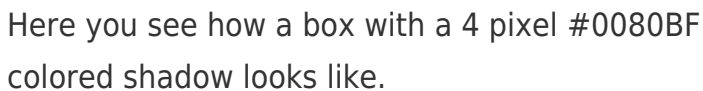
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#0080BF }
```

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

```
.border{ border-color:#0080BF }
```

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



Here you see how a box with a 4 pixel #0080BF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0080BF; -webkit-box-shadow:4px 4px  
4px 4px #0080BF; box-shadow:4px 4px 4px  
4px #0080BF }
```

# Background

The CSS property to change the background color of an element to Hex 0080BF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0080BF }
```

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

```
.background{ background-color:#0080BF }
```

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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