

# Converting Colors

Hex(0068BD)

Have a look what the booklet for  
Hex(0068BD) contains.

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# Color

**Hex(0068BD)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0068BD
RGB	0, 104, 189
RGB Percent	0%, 41%, 74%
CMY	1.0000, 0.5922, 0.2588
CMYK	1.00, 0.45, 0.00, 0.26
HSL	207°, 100%, 37%
HSV	207°, 100%, 74%
XYZ	14.1356, 13.5748, 50.0193
YIQ	82.5940, -89.2690, 4.3870

# Conversions

## Conversions Part 2

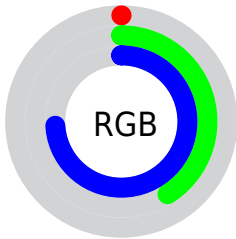
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 67, 189</a>
Decimal	<a href="#">26813</a>
CIELab	<a href="#">43.62, 7.94, -51.53</a>
CIELCh	<a href="#">44, 52.140, 278.758</a>
Yxy	<a href="#">13.5748, 0.1819, 0.1746</a>
Android (android.graphics.Color)	<a href="#">4278216893 (0xFF0068BD)</a>
YUV	<a href="#">82.5940, 52.4582, -72.4349</a>
Hunter-Lab	<a href="#">36.8439, 4.0068, -54.7013</a>

# Details

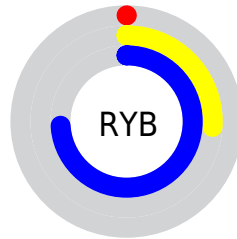
The Hex color **0068BD** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **BD5500**, and the grayscale version is **525252**.

A 20% lighter version of the original color is **5E9BF6**, and **003A87** is the 20% darker color. If you saturate the color by 10%, you get **0068BD**, and if you desaturate by 10%, it is **1371BD**.

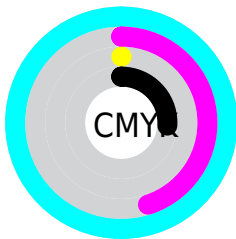
# Distribution



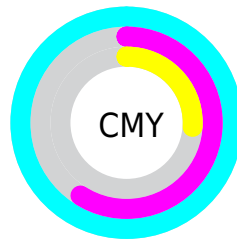
- Red (0%)
- Green (41%)
- Blue (74%)



- Red (0%)
- Yellow (26%)
- Blue (74%)



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (26%)



- Cyan (100%)
- Magenta (59%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0068BD 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 0068BD by changing the saturation by 10% instead.



■ 0068BD

■ 0068BD

FFFFFF

■ 0050A2

■ 5E9BF6

■ 003A87

■ 7EB5FF

■ 00266D

■ 9CD1FF

■ 001154

■ BAEDFF

■ 00063C

■ D8FFFF

■ 000226

■ F7FFFF

■ 00010E

■ 000000

■ 0068BD

■ 1371BD

■ 2679BD

■ 3982BD

■ 4C8ABD

■ 5F93BD

■ 719BBD

■ 84A4BD

■ 97ACBD

■ AAB5BD

# Harmonies

## Analogous

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



0074B8



0068BD



7956AB

# Triad

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



0068BD



AD4733



007946

# Complementary

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



0068BD



BD5500

# 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.



41731C



0068BD



94590D

# Square

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



0068BD



B43B5C



706900



007B73

# Rectangle

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



0068BD



994895



706900



007838



# Sweetspot

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



0068BD



ABD4F5



00BD52



4E677A



FAFAFA



7A7A7A



# Same Dimension

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



0068BD



0087F5



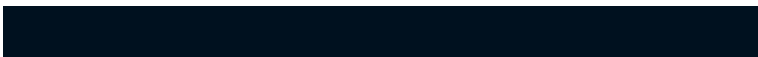
000DBD



555A5E



00579E



00111F



# Inverse Universe

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



BD0068



F50087



BDB000



5E555A



9E0057



1F0011



# Previews

## White Background



This preview shows how the Hex color 0068BD looks on a white background.

## Color Contrast Check

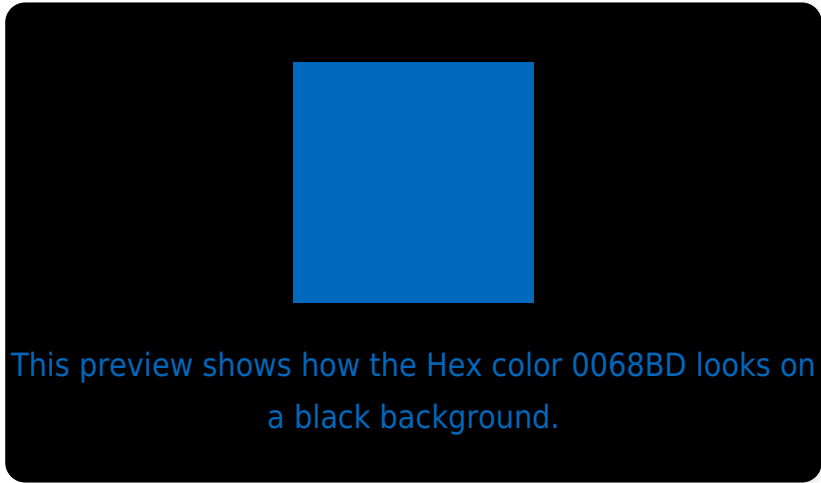
Large Text (above 18pt) WCAG AA ✓ Pass

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

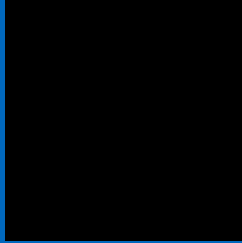
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0068BD Background



This preview shows how black text looks on a background with the Hex color 0068BD.



This preview shows how white text looks on a background with the Hex color 0068BD.

# 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](#).

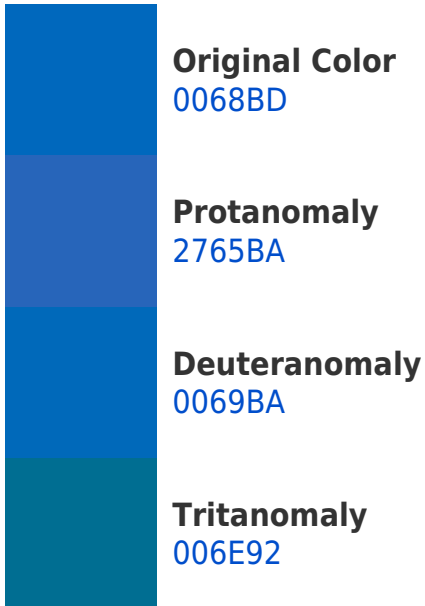
## Dichromacy



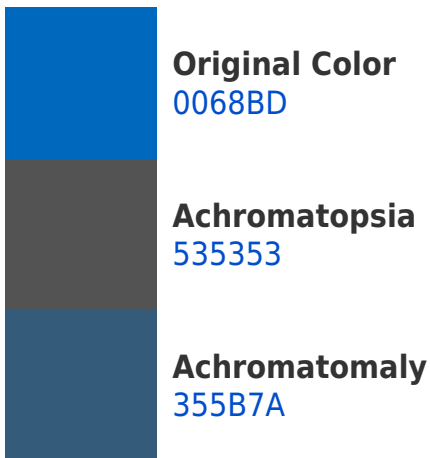


**Tritanopia**  
00727A

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0068BD 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 #0068BD looks like.

```
.text, #text, p{  
    color:#0068BD  
}
```

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 #0068BD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0068BD
}
```

## Border

The CSS property to change the border of an element to Hex 0068BD 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
#0068BD }
```

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

```
.border{ border-color:#0068BD }
```

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

Here you see how a box with a 4 pixel #0068BD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0068BD; -webkit-box-shadow:4px 4px  
4px 4px #0068BD; box-shadow:4px 4px 4px  
4px #0068BD }
```

# Background

The CSS property to change the background color of an element to Hex 0068BD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0068BD }
```

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

```
.background{ background-color:#0068BD }
```

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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