

# Converting Colors

Hex(0048BF)

Have a look what the booklet for  
Hex(0048BF) contains.

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# Color

Hex(0048BF)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0048BF
RGB	0, 72, 191
RGB Percent	0%, 28%, 75%
CMY	1.0000, 0.7176, 0.2510
CMYK	1.00, 0.62, 0.00, 0.25
HSL	217°, 100%, 37%
HSV	217°, 100%, 75%
XYZ	11.7213, 8.3963, 50.2931
YIQ	64.0380, -81.1110, 21.7450

# Conversions

## Conversions Part 2

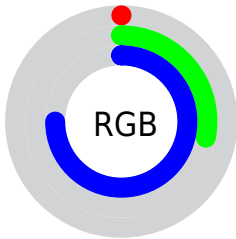
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 52, 191
Decimal	18623
CIELab	34.79, 29.93, -67.02
CIELCh	35, 73.404, 294.065
Yxy	8.3963, 0.1665, 0.1192
Android (android.graphics.Color)	4278208703 (0xFF0048BF)
YUV	64.0380, 62.5923, -56.1613
Hunter-Lab	28.9764, 21.4969, -82.6236

# Details

The Hex color **0048BF** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **BF7700**, and the grayscale version is **3F3F3F**.

A 20% lighter version of the original color is **6178F8**, and **001E88** is the 20% darker color. If you saturate the color by 10%, you get **0048BF**, and if you desaturate by 10%, it is **1354BF**.

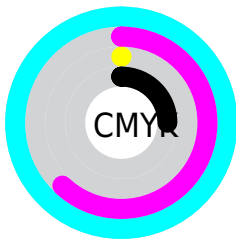
# Distribution



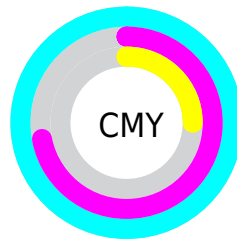
- Red (0%)
- Green (28%)
- Blue (75%)



- Red (0%)
- Yellow (20%)
- Blue (75%)



- Cyan (100%)
- Magenta (62%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (72%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0048BF 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 0048BF by changing the saturation by 10% instead.



 0048BF

 0048BF

FFFFFF

 0032A3

 6178F8

 001E88

 8091FF

 000C6E

 9FACFF

 000655

 BDC7FF

 00063D

 DCE3FF

 000226

 FBFFFF

 00010F

 000000

 0048BF

■ 1354BF

■ 2660BF

■ 396CBF

■ 4C78BF

■ 6084BF

■ 738FBF

■ 869BBF

■ 99A7BF

■ ACB3BF

# Harmonies

## Analogous

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



005EC9



0048BF



891B98

# Triad

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



0048BF



982C00



006844

# Complementary

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



0048BF



BF7700

# 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.



006400



0048BF



6E4C00

# Square

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



0048BF



B00027



365C00



006981

# Rectangle

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



0048BF



A70073



365C00



00672F



# Sweetspot

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



0048BF



ADC9F7



00BF76



50617D



FCFCFC



7D7D7D



# Same Dimension

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



0048BF



005DF7



1600BF



55585E



003C9E



000C1F



# Inverse Universe

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



BF0048



F7005D



A9BF00



5E5558



9E003C



1F000C



# Previews

## White Background



This preview shows how the Hex color 0048BF looks on a white background.

## Color Contrast Check

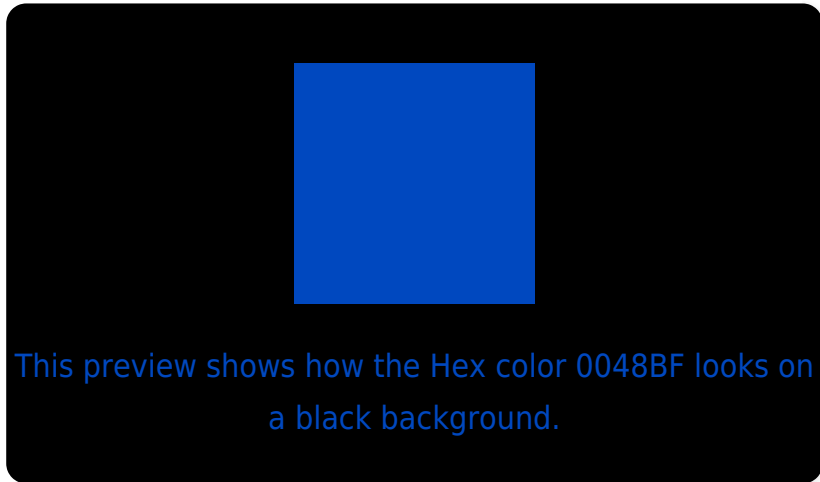
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

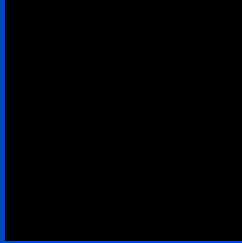
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0048BF Background



This preview shows how black text looks on a background with the Hex color 0048BF.



This preview shows how white text looks on a background with the Hex color 0048BF.

# 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



**Original Color**  
0048BF

**Protanopia**  
004FA7

**Deuteranopia**  
00548F



**Tritanopia**  
005B60

# Trichromacy



**Original Color**  
0048BF

**Protanomaly**  
004CB0

**Deuteranomaly**  
0050A0

**Tritanomaly**  
005483

# Monochromacy



**Original Color**  
0048BF

**Achromatopsia**  
404040

**Achromatomaly**  
29436E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0048BF 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 #0048BF looks like.

```
.text, #text, p{  
    color:#0048BF  
}
```

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 #0048BF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0048BF
}
```

## Border

The CSS property to change the border of an element to Hex 0048BF is called "border". The border property can be set on classes, ids or directly on the HTML element.

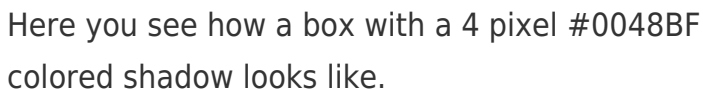
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#0048BF }
```

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

```
.border{ border-color:#0048BF }
```

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



Here you see how a box with a 4 pixel #0048BF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0048BF; -webkit-box-shadow:4px 4px  
4px 4px #0048BF; box-shadow:4px 4px 4px  
4px #0048BF }
```

# Background

The CSS property to change the background color of an element to Hex 0048BF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0048BF }
```

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

```
.background{ background-color:#0048BF }
```

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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