

# Converting Colors

Hex(0044BF)

Have a look what the booklet for  
Hex(0044BF) contains.

<b>Hex(0044BF)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	28

# Color

**Hex(0044BF)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0044BF
RGB	0, 68, 191
RGB Percent	0%, 27%, 75%
CMY	1.0000, 0.7333, 0.2510
CMYK	1.00, 0.64, 0.00, 0.25
HSL	219°, 100%, 37%
HSV	219°, 100%, 75%
XYZ	11.4711, 7.8958, 50.2097
YIQ	61.6900, -80.0110, 23.8370

# Conversions

## Conversions Part 2

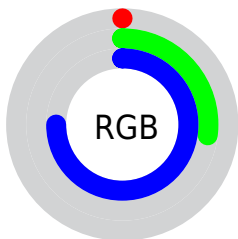
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	0, 50, 191
Decimal	17599
CIE <sub>Lab</sub>	33.76, 32.59, -68.71
CIE <sub>LCh</sub>	34, 76.050, 295.373
Yxy	7.8958, 0.1649, 0.1135
Android (android.graphics.Color)	4278207679 (0xFF0044BF)
YUV	61.6900, 63.7498, -54.1021
Hunter-Lab	28.0995, 23.6950, -86.2727

# Details

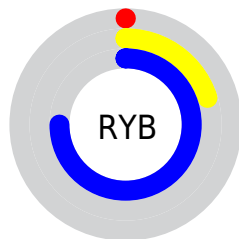
The Hex color **0044BF** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **BF7B00**, and the grayscale version is **3D3D3D**.

A 20% lighter version of the original color is **6174F8**, and **001B88** is the 20% darker color. If you saturate the color by 10%, you get **0044BF**, and if you desaturate by 10%, it is **1350BF**.

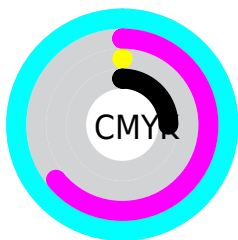
# Distribution



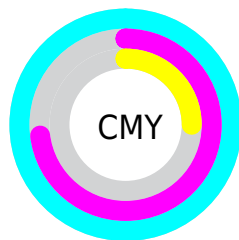
- Red (0%)
- Green (27%)
- Blue (75%)



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



- Cyan (100%)
- Magenta (64%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (73%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0044BF 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 0044BF by changing the saturation by 10% instead.



0044BF

0044BF

FFFFFF

002EA3

6174F8

001B88

818DFF

00066E

A0A7FF

000755

BEC3FF

00063C

DDDEFF

000226

FBBFF

00010F

000000

0044BF

■ 1350BF

■ 265DBF

■ 3969BF

■ 4C75BF

■ 6082BF

■ 738EBF

■ 869ABF

■ 99A6BF

■ ACB3BF

# Harmonies

## Analogous

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



005BCB



0044BF



8B0C95

# Triad

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



0044BF



952900



006544

# Complementary

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



0044BF



BF7B00

# 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.



006200



0044BF



6A4A00

# Square

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



0044BF



AF0021



2E5B00



006782

# Rectangle

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



0044BF



A80070



2E5B00



00652E



# Sweetspot

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



0044BF



ADC8F7



00BF79



50607D



FCFCFC



7D7D7D



# Same Dimension

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



0044BF



0058F7



1900BF



55585E



00389E



000B1F



# Inverse Universe

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



BF0044



F70058



A6BF00



5E5558



9E0038



1F000B



# Previews

## White Background



This preview shows how the Hex color 0044BF looks on a white background.

## Color Contrast Check

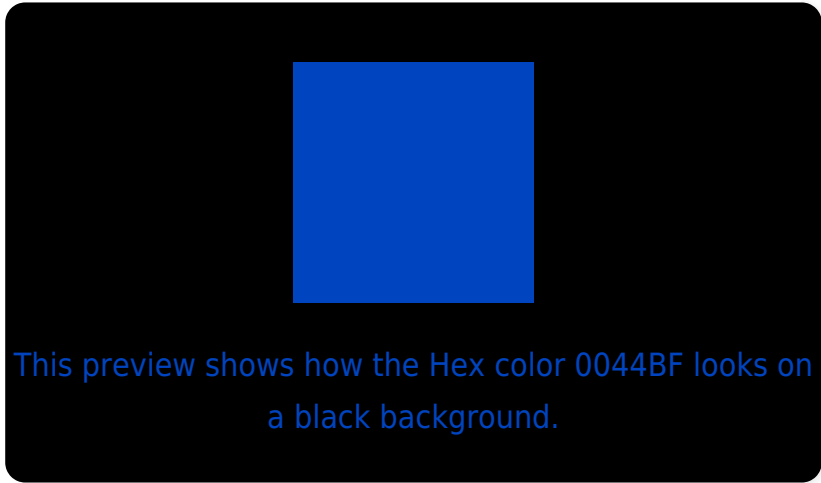
Large Text (above 18pt) WCAG AA ✓ Pass

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

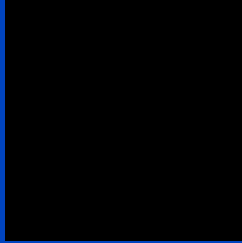
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0044BF Background



This preview shows how black text looks on a background with the Hex color 0044BF.

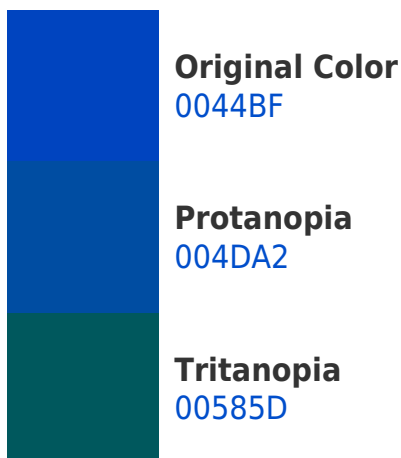


This preview shows how white text looks on a background with the Hex color 0044BF.

# 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



**Original Color**  
0044BF

**Protanomaly**  
004AAD

**Tritanomaly**  
005181

# Monochromacy



**Original Color**  
0044BF

**Achromatopsia**  
3E3E3E

**Achromatomaly**  
27406D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0044BF 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 #0044BF looks like.

```
.text, #text, p{  
    color:#0044BF  
}
```

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 #0044BF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0044BF
}
```

## Border

The CSS property to change the border of an element to Hex 0044BF is called "border". The border property can be set on classes, ids or directly on the HTML element.

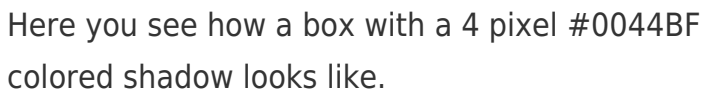
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#0044BF }
```

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

```
.border{ border-color:#0044BF }
```

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



Here you see how a box with a 4 pixel #0044BF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0044BF; -webkit-box-shadow:4px 4px  
4px 4px #0044BF; box-shadow:4px 4px 4px  
4px #0044BF }
```

# Background

The CSS property to change the background color of an element to Hex 0044BF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0044BF }
```

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

```
.background{ background-color:#0044BF }
```

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