

# Converting Colors

Hex(0045CF)

Have a look what the booklet for  
Hex(0045CF) contains.

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**Color**

**Hex(0045CF)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0045CF
RGB	0, 69, 207
RGB Percent	0%, 27%, 81%
CMY	1.0000, 0.7294, 0.1882
CMYK	1.00, 0.67, 0.00, 0.19
HSL	220°, 100%, 41%
HSV	220°, 100%, 81%
XYZ	13.3906, 8.7612, 60.0168
YIQ	64.1010, -85.4220, 28.2900

# Conversions

## Conversions Part 2

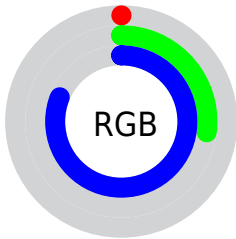
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 52, 207
Decimal	17871
CIELab	35.52, 38.10, -75.16
CIELCh	36, 84.261, 296.882
Yxy	8.7612, 0.1630, 0.1066
Android (android.graphics.Color)	4278207951 (0xFF0045CF)
YUV	64.1010, 70.4492, -56.2166
Hunter-Lab	29.5994, 28.9535, -99.4990

# Details

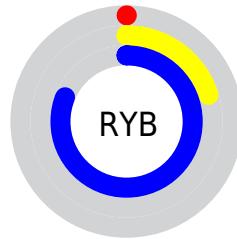
The Hex color **0045CF** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **CF8A00**, and the grayscale version is **3F3F3F**.

A 20% lighter version of the original color is **6675FF**, and **001B97** is the 20% darker color. If you saturate the color by 10%, you get **0045CF**, and if you desaturate by 10%, it is **1553CF**.

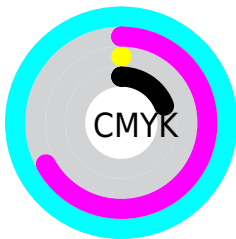
# Distribution



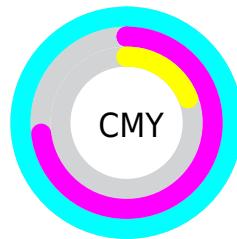
- Red (0%)
- Green (27%)
- Blue (81%)



- Red (0%)
- Yellow (20%)
- Blue (81%)



- Cyan (100%)
- Magenta (67%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (73%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0045CF 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 0045CF by changing the saturation by 10% instead.



 0045CF

FFFFFF

 6675FF

 878EFF

 A6A9FF

 C5C4FF

 E4E0FF

FFFDFF

 0045CF

 0045CF

 002FB3

 001B97

 000A7C

 000163

 00094A

 000432

 00021C

 000000

 1553CF

 2961CF

 3E6ECF

 537CCF

 688ACF

 7C98CF

 91A6CF

 A6B3CF

 BAC1CF

# Harmonies

## Analogous

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



0060DE



0045CF



99009F

# Triad

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



0045CF



9E2900



006B4A

# Complementary

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



0045CF



CF8A00

# 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.



006800



0045CF



6D4F00

# Square

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



0045CF



BC001D



256100



006D90

# Rectangle

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



0045CF



B70074



256100



006B32



# Sweetspot

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



0045CF



B3CCFF



00CF8A



526180



000000



808080



# Same Dimension

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



0045CF



0055FF



2200CF



5E6269



0038A8



000E29



# Inverse Universe

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



CF0045



FF0055



ACCF00



695E62



A80038



29000E



# Previews

## White Background



This preview shows how the Hex color 0045CF looks on a white background.

## Color Contrast Check

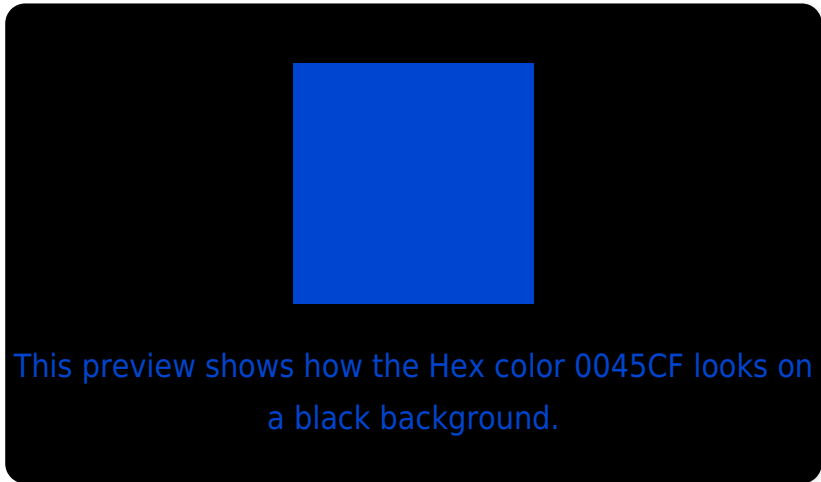
Large Text (above 18pt) WCAG AA ✓ Pass

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

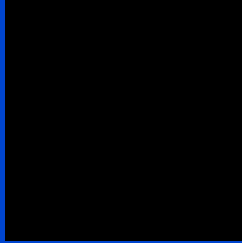
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0045CF Background



This preview shows how black text looks on a background with the Hex color 0045CF.



This preview shows how white text looks on a background with the Hex color 0045CF.

# 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**  
005D62

# Trichromacy



**Original Color**  
0045CF

**Protanomaly**  
004CB7

**Deuteranomaly**  
0050A8

**Tritanomaly**  
00548A

# Monochromacy



**Original Color**  
0045CF

**Achromatopsia**  
404040

**Achromatomaly**  
294274

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0045CF 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 #0045CF looks like.

```
.text, #text, p{  
    color:#0045CF  
}
```

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 #0045CF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0045CF
}
```

## Border

The CSS property to change the border of an element to Hex 0045CF 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
#0045CF }
```

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

```
.border{ border-color:#0045CF }
```

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

Here you see how a box with a 4 pixel #0045CF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0045CF; -webkit-box-shadow:4px 4px  
4px 4px #0045CF; box-shadow:4px 4px 4px  
4px #0045CF }
```

# Background

The CSS property to change the background color of an element to Hex 0045CF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0045CF }
```

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

```
.background{ background-color:#0045CF }
```

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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