

# Converting Colors

Hex(0057CE)

Have a look what the booklet for  
Hex(0057CE) contains.

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# Color

Hex(0057CE)

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | 0057CE                     |
| RGB           | 0, 87, 206                 |
| RGB Percent   | 0%, 34%, 81%               |
| CMY           | 1.0000, 0.6588, 0.1922     |
| CMYK          | 1.00, 0.58, 0.00, 0.19     |
| HSL           | 215°, 100%, 40%            |
| HSV           | 215°, 100%, 81%            |
| XYZ           | 14.5488, 11.2726, 59.8015  |
| YIQ           | 74.5530, -90.0510, 18.5650 |

# Conversions

## Conversions Part 2

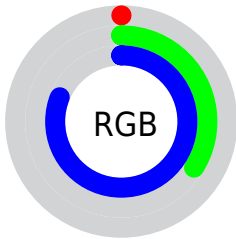
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 0, 61, 206                    |
| Decimal                             | 22478                         |
| CIELab                              | 40.04, 25.93, -67.17          |
| CIELCh                              | 40, 72.005, 291.108           |
| Yxy                                 | 11.2726, 0.1699,<br>0.1317    |
| Android<br>(android.graphics.Color) | 4278212558<br>(0xFF0057CE)    |
| YUV                                 | 74.5530, 64.8034,<br>-65.3830 |
| Hunter-Lab                          | 33.5747, 18.5928,<br>-82.1019 |

# Details

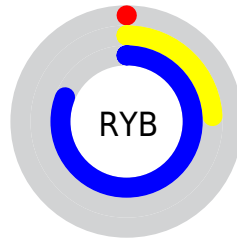
The Hex color **0057CE** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed blue. A complement of this color would be **CE7700**, and the grayscale version is **4A4A4A**.

A 20% lighter version of the original color is **6488FF**, and **002B97** is the 20% darker color. If you saturate the color by 10%, you get **0057CE**, and if you desaturate by 10%, it is **1563CE**.

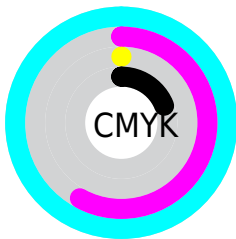
# Distribution



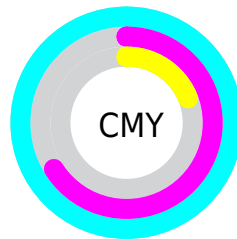
- Red (0%)
- Green (34%)
- Blue (81%)



- Red (0%)
- Yellow (24%)
- Blue (81%)



- Cyan (100%)
- Magenta (58%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (66%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0057CE 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 0057CE by changing the saturation by 10% instead.



 0057CE

 0057CE

FFFFFF

 0040B2

 6488FF

 002B97

 85A2FF

 00197C

 A4BDFF

 000062

 C2D9FF

 000949

 E1F5FF

 000432

 00011C

 000000

 0057CE

 1563CE

 296FCE

 3E7BCE

 5287CE

 6793CE

 7C9ECE

 90AACE

 A5B6CE

 B9C2CE

# Harmonies

## Analogous

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



006BD4



0057CE



9133A9

# Triad

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



0057CE



AA3700



00754A

# Complementary

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



0057CE



CE7700

# 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.



007100



0057CE



825600

# Square

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



0057CE



C00039



4C6800



007687

# Rectangle

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



0057CE



B10886



4C6800



007435



# Sweetspot

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



0057CE



B3D3FF



00CE75



526580



000000



808080



# Same Dimension

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



0057CE



006CFF



0E00CE



5C6066



0046A6



001026



# Inverse Universe

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



CE0057



FF006C



C0CE00



665C60



A60046



260010



# Previews

## White Background



This preview shows how the Hex color 0057CE looks on a white background.

## Color Contrast Check

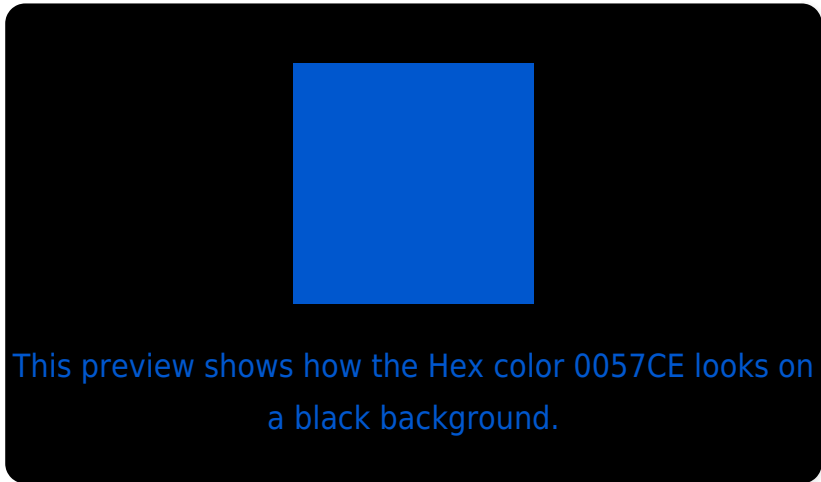
Large Text (above 18pt) WCAG AA ✓ Pass

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

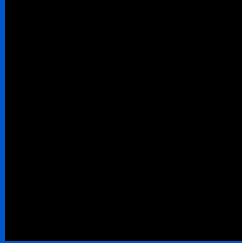
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0057CE Background



This preview shows how black text looks on a background with the Hex color 0057CE.



This preview shows how white text looks on a background with the Hex color 0057CE.

# 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**  
0057CE

**Protanopia**  
005BC0

**Deuteranopia**  
0061A5



**Tritanopia**  
00696F

# Trichromacy



**Original Color**  
0057CE

**Protanomaly**  
005AC5

**Deuteranomaly**  
005DB4

**Tritanomaly**  
006292

# Monochromacy



**Original Color**  
0057CE

**Achromatopsia**  
4B4B4B

**Achromatomaly**  
304F7B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0057CE 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 #0057CE looks like.

```
.text, #text, p{  
    color:#0057CE  
}
```

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 #0057CE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0057CE
}
```

## Border

The CSS property to change the border of an element to Hex 0057CE is called "border". The border property can be set on classes, ids or directly on the HTML element.

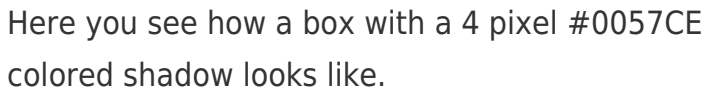
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#0057CE }
```

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

```
.border{ border-color:#0057CE }
```

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



Here you see how a box with a 4 pixel #0057CE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0057CE; -webkit-box-shadow:4px 4px  
4px 4px #0057CE; box-shadow:4px 4px 4px  
4px #0057CE }
```

# Background

The CSS property to change the background color of an element to Hex 0057CE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0057CE }
```

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

```
.background{ background-color:#0057CE }
```

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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