

# Converting Colors

Hex(0455CE)

Have a look what the booklet for  
Hex(0455CE) contains.

<b>Hex(0455CE)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(0455CE)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0455CE
RGB	4, 85, 206
RGB Percent	2%, 33%, 81%
CMY	0.9843, 0.6667, 0.1922
CMYK	0.98, 0.59, 0.00, 0.19
HSL	216°, 96%, 41%
HSV	216°, 98%, 81%
XYZ	14.4391, 10.9790, 59.7507
YIQ	74.5750, -87.1170, 20.4590

# Conversions

## Conversions Part 2

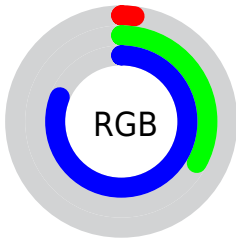
<b>Format</b>	<b>Color</b>
<b>RYB</b>	4, 62, 206
Decimal	284110
CIELab	39.55, 27.37, -67.97
CIELCh	40, 73.278, 291.934
Yxy	10.9790, 0.1695, 0.1289
Android (android.graphics.Color)	4278474190 (0xFF0455CE)
YUV	74.5750, 64.7925, -61.8943
Hunter-Lab	33.1346, 19.7997, -83.7216

# Details

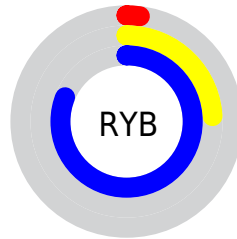
The Hex color **0455CE** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed blue. A complement of this color would be **CE7D04**, and the grayscale version is **4A4A4A**.

A 20% lighter version of the original color is **6586FF**, and **002A97** is the 20% darker color. If you saturate the color by 10%, you get **0053CE**, and if you desaturate by 10%, it is **1961CE**.

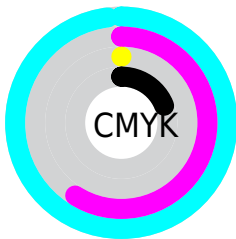
# Distribution



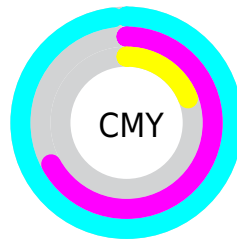
- Red (2%)
- Green (33%)
- Blue (81%)



- Red (2%)
- Yellow (24%)
- Blue (81%)



- Cyan (98%)
- Magenta (59%)
- Yellow (0%)
- Black (19%)



- Cyan (98%)
- Magenta (67%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0455CE 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 0455CE by changing the saturation by 10% instead.



 0455CE

 0455CE

FFFFFF

 003EB2

 6586FF

 002A97

 85A0FF

 00177C

 A4BBFF

 000062

 C3D6FF

 000949

 E2F3FF

 000432

 00011C

 000000

 0455CE

 0455CE

0053CE

1961CE

2D6ECE

427ACE

5686CE

6B93CE

809FCE

94ABCE

A9B8CE

BDC4CE

# Harmonies

## Analogous

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



006AD5



0455CE



922FA8

# Triad

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



0455CE



A93600



00744B

# Complementary

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



0455CE



CE7D04

# 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.



007000



0455CE



805500

# Square

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



0455CE



C00035



496700



007589

# Rectangle

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



0455CE



B20084



496700



007335



# Sweetspot

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



0455CE



B5D3FF



04CE7A



536580



000000



808080



# Same Dimension

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



0455CE



0066FF



1504CE



5C6066



0042A6



000F26



# Inverse Universe

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



CE0455



FF0066



BDCE04



665C60



A60042



26000F



# Previews

## White Background



This preview shows how the Hex color 0455CE looks on a white background.

## Color Contrast Check

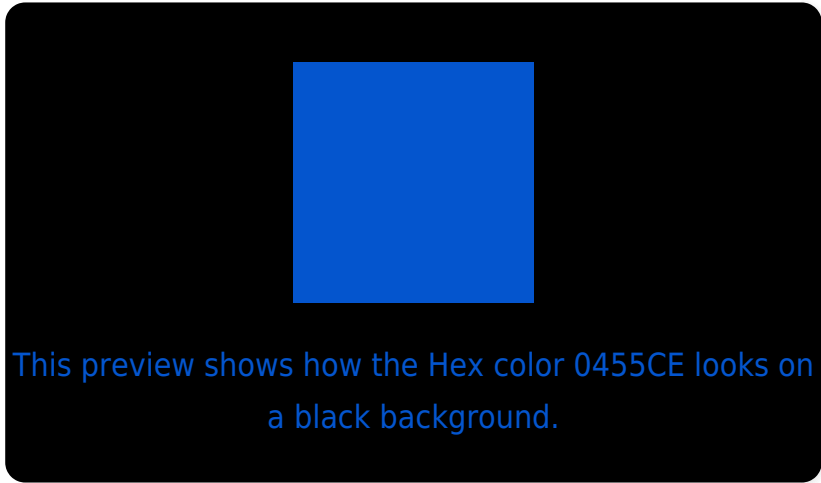
Large Text (above 18pt) WCAG AA ✓ Pass

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

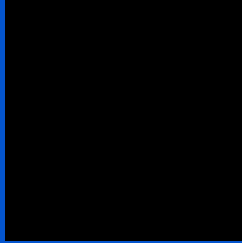
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0455CE Background



This preview shows how black text looks on a background with the Hex color 0455CE.

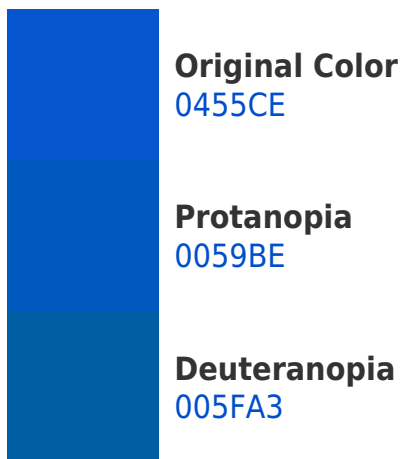


This preview shows how white text looks on a background with the Hex color 0455CE.

# 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**  
00676D

# Trichromacy



**Original Color**  
0455CE

**Protanomaly**  
0158C4

**Deuteranomaly**  
015BB3

**Tritanomaly**  
016090

# Monochromacy



**Original Color**  
0455CE

**Achromatopsia**  
4B4B4B

**Achromatomaly**  
314F7B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0455CE 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 #0455CE looks like.

```
.text, #text, p{  
    color:#0455CE  
}
```

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 #0455CE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0455CE
}
```

## Border

The CSS property to change the border of an element to Hex 0455CE is called "border". The border property can be set on classes, ids or directly on the HTML element.

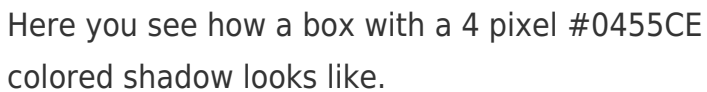
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#0455CE }
```

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

```
.border{ border-color:#0455CE }
```

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



Here you see how a box with a 4 pixel #0455CE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0455CE; -webkit-box-shadow:4px 4px  
4px 4px #0455CE; box-shadow:4px 4px 4px  
4px #0455CE }
```

# Background

The CSS property to change the background color of an element to Hex 0455CE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0455CE }
```

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

```
.background{ background-color:#0455CE }
```

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