

# Converting Colors

Hex(0C45F1)

Have a look what the booklet for  
Hex(0C45F1) contains.

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# Color

**Hex(0C45F1)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0C45F1
RGB	12, 69, 241
RGB Percent	5%, 27%, 95%
CMY	0.9529, 0.7294, 0.0549
CMYK	0.95, 0.71, 0.00, 0.05
HSL	225°, 91%, 50%
HSV	225°, 95%, 95%
XYZ	18.1569, 10.6853, 84.3246
YIQ	71.5650, -89.1840, 41.4080

# Conversions

## Conversions Part 2

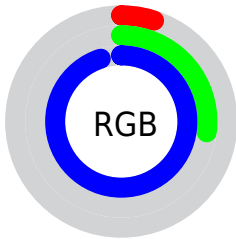
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	12, 58, 241
Decimal	804337
CIE Lab	39.05, 50.70, -88.76
CIE LCh	39, 102.219, 299.735
Yxy	10.6853, 0.1604, 0.0944
Android (android.graphics.Color)	4278994417 (0xFF0C45F1)
YUV	71.5650, 83.5315, -52.2385
Hunter-Lab	32.6883, 41.9442, -130.0658

# Details

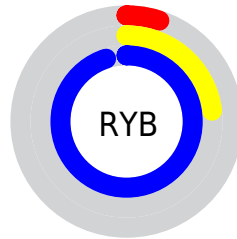
The Hex color **0C45F1** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark saturated blue. A complement of this color would be **F1B80C**, and the grayscale version is **474747**.

A 20% lighter version of the original color is **7376FF**, and **0019B7** is the 20% darker color. If you saturate the color by 10%, you get **003CF1**, and if you desaturate by 10%, it is **2457F1**.

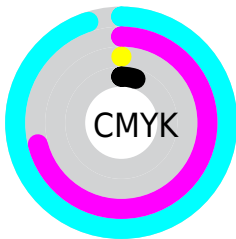
# Distribution



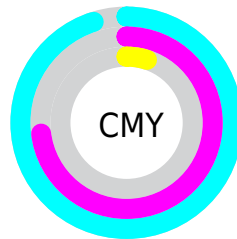
- Red (5%)
- Green (27%)
- Blue (95%)



- Red (5%)
- Yellow (23%)
- Blue (95%)



- Cyan (95%)
- Magenta (71%)
- Yellow (0%)
- Black (5%)



- Cyan (95%)
- Magenta (73%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0C45F1 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 0C45F1 by changing the saturation by 10% instead.



 0C45F1

 0C45F1

FFFFFF

 002ED4

 7376FF

 0019B7

 9590FF

 00089B

 B5AFFF

 000081

 D6C6FF

 000E66

 F6E2FF

 000A4D

 000535

 00021F

 000002

■ 0C45F1

■ 0C45F1

■ 003CF1

■ 2457F1

■ 3C69F1

■ 547BF1

■ 6C8DF1

■ 84A0F1

■ 9DB2F1

■ B5C4F1

■ CDD6F1

■ E5E8F1

# Harmonies

## Analogous

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



006BFF



0C45F1



B700B2

# Triad

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



0C45F1



AF2A00



007859

# Complementary

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



0C45F1



F1B80C

# 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.



007500



0C45F1



725A00

# Square

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



0C45F1



D80010



006D00



007AAE

# Rectangle

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



0C45F1



D8007C



006D00



00773B



# Sweetspot

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



0C45F1



B5C7FF



0CF1B8



535E80



000000



808080



# Same Dimension

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



0C45F1



003FFF



450CF1



6C6F78



002EB8



000E38



# Inverse Universe

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



F10C45



FF003F



B8F10C



786C6F



B8002E



38000E



# Previews

## White Background



This preview shows how the Hex color 0C45F1 looks on a white background.

## Color Contrast Check

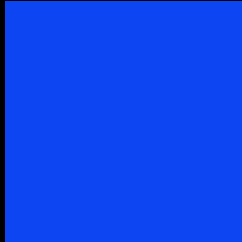
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 0C45F1 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

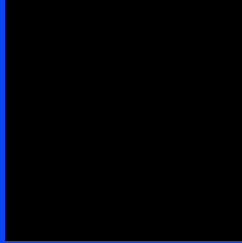
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0C45F1 Background



This preview shows how black text looks on a background with the Hex color 0C45F1.



This preview shows how white text looks on a background with the Hex color 0C45F1.

# 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**  
00656B

# Trichromacy



**Original Color**  
0C45F1

**Protanomaly**  
0451CD

**Deuteranomaly**  
0455BC

**Tritanomaly**  
04599C

# Monochromacy



**Original Color**  
0C45F1

**Achromatopsia**  
484848

**Achromatomaly**  
324785

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0C45F1 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 #0C45F1 looks like.

```
.text, #text, p{  
    color:#0C45F1  
}
```

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 #0C45F1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0C45F1
}
```

## Border

The CSS property to change the border of an element to Hex 0C45F1 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
#0C45F1 }
```

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

```
.border{ border-color:#0C45F1 }
```

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

Here you see how a box with a 4 pixel #0C45F1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0C45F1; -webkit-box-shadow:4px 4px  
4px 4px #0C45F1; box-shadow:4px 4px 4px  
4px #0C45F1 }
```

# Background

The CSS property to change the background color of an element to Hex 0C45F1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0C45F1 }
```

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

```
.background{ background-color:#0C45F1 }
```

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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