

# Converting Colors

Hex(0C3AEB)

Have a look what the booklet for  
Hex(0C3AEB) contains.

|                                                |    |
|------------------------------------------------|----|
| <b>Hex(0C3AEB)</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> .....               | 28 |

# Color

**Hex(0C3AEB)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | 0C3AEB                     |
| RGB           | 12, 58, 235                |
| RGB Percent   | 5%, 23%, 92%               |
| CMY           | 0.9529, 0.7725, 0.0784     |
| CMYK          | 0.95, 0.75, 0.00, 0.08     |
| HSL           | 228°, 90%, 48%             |
| HSV           | 228°, 95%, 92%             |
| XYZ           | 16.6601, 9.1024, 79.4761   |
| YIQ           | 64.4240, -84.2330, 45.2950 |

# Conversions

## Conversions Part 2

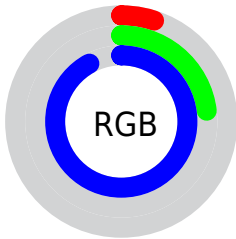
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 12, 50, 235                    |
| Decimal                             | 801515                         |
| CIE Lab                             | 36.18, 54.91, -90.11           |
| CIE LCh                             | 36, 105.519, 301.355           |
| Yxy                                 | 9.1024, 0.1583,<br>0.0865      |
| Android<br>(android.graphics.Color) | 4278991595<br>(0xFF0C3AEB)     |
| YUV                                 | 64.4240, 84.0940,<br>-45.9758  |
| Hunter-Lab                          | 30.1702, 45.7702,<br>-135.0659 |

# Details

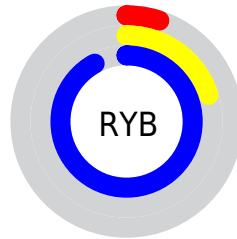
The Hex color **0C3AEB** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **EBBD0C**, and the grayscale version is **404040**.

A 20% lighter version of the original color is **726BFF**, and **000DB2** is the 20% darker color. If you saturate the color by 10%, you get **0030EB**, and if you desaturate by 10%, it is **234DEB**.

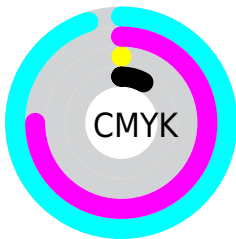
# Distribution



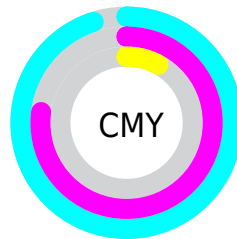
- Red (5%)
- Green (23%)
- Blue (92%)



- Red (5%)
- Yellow (20%)
- Blue (92%)



- Cyan (95%)
- Magenta (75%)
- Yellow (0%)
- Black (8%)



- Cyan (95%)
- Magenta (77%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0C3AEB 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 0C3AEB by changing the saturation by 10% instead.



 0C3AEB

 0C3AEB

FFFFFF

 0023CE

 726BFF

 000DB2


 9485FF

 000096

 B59FFF

 00007B

 D5BAFF

 000F61

 F5D6FF

 000848

 FFF3FF

 000430

 00011B

 000000

■ 0C3AEB

■ 0C3AEB

■ 0030EB

■ 234DEB

■ 3B5FEB

■ 5272EB

■ 6A85EB

■ 8297EB

■ 99AAEB

■ B1BDEB

■ C8CFEB

■ DFE2EB

# Harmonies

## Analogous

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



0064FF



0C3AEB



B500A9

# Triad

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



0C3AEB



A52300



007057

# Complementary

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



0C3AEB



EBB0C

# 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.



006D00



0C3AEB



655400

# Square

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



0C3AEB



D00001



006700



0073AD

# Rectangle

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



0C3AEB



D40072



006700



006F39



# Sweetspot

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



0C3AEB



B8C6FF



0CEBBB



545D80



000000



808080



# Same Dimension

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



0C3AEB



0035FF



4B0CEB



6A6C75



0025B5



000B36



# Inverse Universe

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



EB0C3A



FF0035



ACEB0C



756A6C



B50025

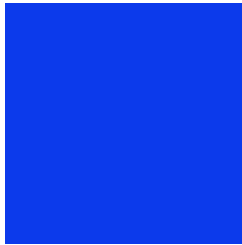


36000B



# Previews

## White Background



This preview shows how the Hex color 0C3AEB looks on a white background.

## Color Contrast Check

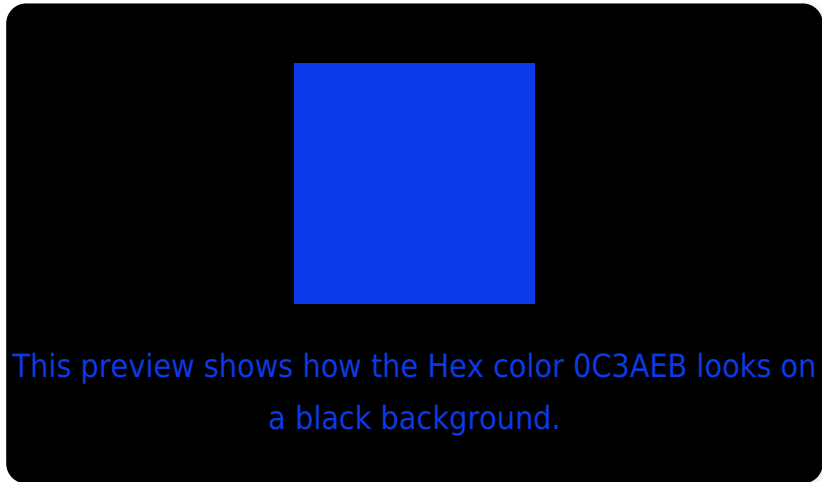
Large Text (above 18pt) WCAG AA ✓ Pass

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

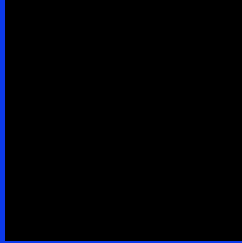
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0C3AEB Background



This preview shows how black text looks on a background with the Hex color 0C3AEB.

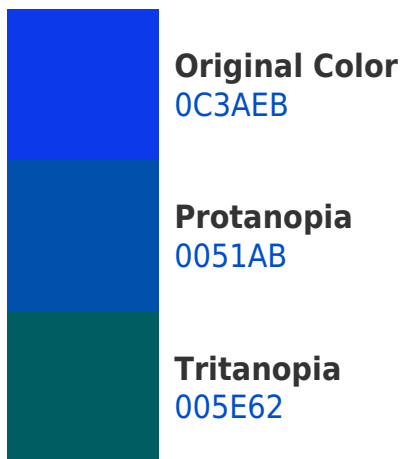


This preview shows how white text looks on a background with the Hex color 0C3AEB.

# 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**  
0C3AEB

**Protanomaly**  
0449C2

**Tritanomaly**  
045194

# Monochromacy



**Original Color**  
0C3AEB

**Achromatopsia**  
404040

**Achromatomaly**  
2D3E7E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0C3AEB 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 #0C3AEB looks like.

```
.text, #text, p{  
    color:#0C3AEB  
}
```

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 #0C3AEB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0C3AEB
}
```

## Border

The CSS property to change the border of an element to Hex 0C3AEB 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
#0C3AEB }
```

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

```
.border{ border-color:#0C3AEB }
```

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

Here you see how a box with a 4 pixel #0C3AEB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0C3AEB; -webkit-box-shadow:4px 4px  
4px 4px #0C3AEB; box-shadow:4px 4px 4px  
4px #0C3AEB }
```

# Background

The CSS property to change the background color of an element to Hex 0C3AEB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0C3AEB }
```

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

```
.background{ background-color:#0C3AEB }
```

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