

Converting Colors

Hex(0C66E9)

Have a look what the booklet for
Hex(0C66E9) contains.

Hex(0C66E9)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(0C66E9)

Conversions

Conversions Part 1

Format	Color
Hex	0C66E9
RGB	12, 102, 233
RGB Percent	5%, 40%, 91%
CMY	0.9529, 0.6000, 0.0863
CMYK	0.95, 0.56, 0.00, 0.09
HSL	216°, 90%, 48%
HSV	216°, 95%, 91%
XYZ	19.6110, 15.4641, 79.0421
YIQ	90.0240, -95.6910, 21.6610

Conversions

Conversions Part 2

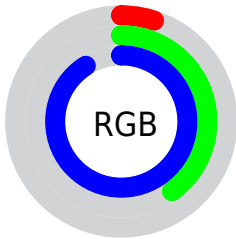
Format	Color
R _Y B	12, 76, 233
Decimal	812777
CIE Lab	46.26, 27.08, -72.40
CIE LCh	46, 77.295, 290.507
Yxy	15.4641, 0.1718, 0.1355
Android (android.graphics.Color)	4279002857 (0xFF0C66E9)
YUV	90.0240, 70.4872, -68.4270
Hunter-Lab	39.3244, 20.1997, -91.6458

Details

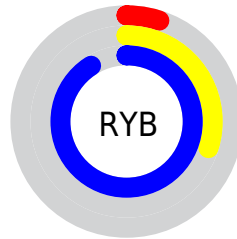
The Hex color **0C66E9** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **E98F0C**, and the grayscale version is **595959**.

A 20% lighter version of the original color is **6E98FF**, and **0039B0** is the 20% darker color. If you saturate the color by 10%, you get **005FE9**, and if you desaturate by 10%, it is **2374E9**.

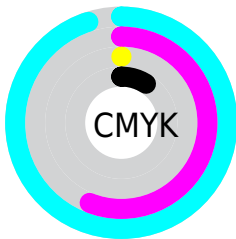
Distribution



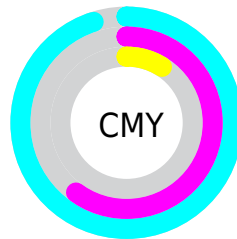
- Red (5%)
- Green (40%)
- Blue (91%)



- Red (5%)
- Yellow (30%)
- Blue (91%)



- Cyan (95%)
- Magenta (56%)
- Yellow (0%)
- Black (9%)



- Cyan (95%)
- Magenta (60%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Hex color 0C66E9 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 0C66E9 by changing the saturation by 10% instead.

 0C66E9

 0C66E9

FFFFFF

 004FCC

 6E98FF

 0039B0

 8FB3FF

 002595

 AFCEFF

 00147A

 CEEAFF

 000760

 EDFFFF

 000847

 000430

 00011A

 000000

■ 0C66E9

■ 0C66E9

■ 005FE9

■ 2374E9

■ 3B82E9

■ 528FE9

■ 699DE9

■ 80ABE9

■ 98B9E9

■ AFC7E9

■ C6D4E9

■ DEE2E9

Harmonies

Analogous

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



007CEF



0C66E9



A440C1

Triad

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



0C66E9



C34200



008756

Complementary

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



0C66E9



E98F0C

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.



008202



0C66E9



976400

Square

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



0C66E9



DA0545



5C7800



00899A

Rectangle

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



0C66E9



C91B9A



5C7800



00863F

Sweetspot

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



0C66E9



B8D5FF



0CE98D



546680



000000



808080

Same Dimension

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



0C66E9



0068FF



1E0CE9



6A6E75



004AB5



001636

Inverse Universe

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



E90C66



FF0068



D7E90C



756A6E



B5004A



360016

Previews

White Background



This preview shows how the Hex color 0C66E9 looks on a white background.

Color Contrast Check

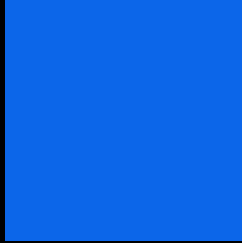
Large Text (above 18pt) WCAG AA ✓ Pass

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 0C66E9 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

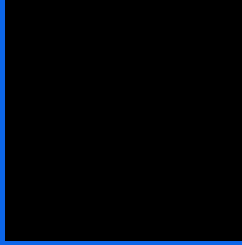
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

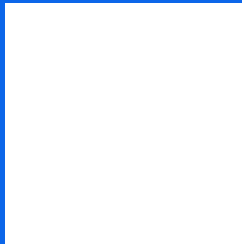
Any Text WCAG AAA × Fail

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

Hex 0C66E9 Background



This preview shows how black text looks on a background with the Hex color 0C66E9.



This preview shows how white text looks on a background with the Hex color 0C66E9.

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
0C66E9

Protanopia
0069DF

Deuteranopia
0070C0



Tritanopia
007980

Trichromacy



Original Color
0C66E9

Protanomaly
0468E3

Deuteranomaly
046CCF

Tritanomaly
0472A6

Monochromacy



Original Color
0C66E9

Achromatopsia
5A5A5A

Achromatomaly
3E5E8E

CSS Examples

Text

The CSS property to change the color of the text to Hex 0C66E9 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 #0C66E9 looks like.

```
.text, #text, p{  
    color:#0C66E9  
}
```

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 #0C66E9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0C66E9
}
```

Border

The CSS property to change the border of an element to Hex 0C66E9 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
#0C66E9 }
```

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

```
.border{ border-color:#0C66E9 }
```

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

Here you see how a box with a 4 pixel #0C66E9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0C66E9; -webkit-box-shadow:4px 4px  
4px 4px #0C66E9; box-shadow:4px 4px 4px  
4px #0C66E9 }
```

Background

The CSS property to change the background color of an element to Hex 0C66E9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0C66E9 }
```

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

```
.background{ background-color:#0C66E9 }
```

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