

# Converting Colors

Hex(09CAF0)

Have a look what the booklet for  
Hex(09CAF0) contains.

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# **Color**

**Hex(09CAF0)**

# Conversions

## Conversions Part 1

Format	Color
Hex	09CAF0
RGB	9, 202, 240
RGB Percent	4%, 79%, 94%
CMY	0.9647, 0.2078, 0.0588
CMYK	0.96, 0.16, 0.00, 0.06
HSL	190°, 93%, 49%
HSV	190°, 96%, 94%
XYZ	36.9614, 48.5904, 89.8689
YIQ	148.6250, -127.2260, -29.0980

# Conversions

## Conversions Part 2

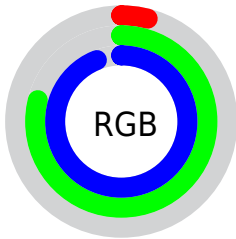
Format	Color
R <sub>Y</sub> B	9, 114, 240
Decimal	641776
CIE Lab	75.20, -28.13, -30.37
CIE LCh	75, 41.397, 227.195
Yxy	48.5904, 0.2107, 0.2770
Android (android.graphics.Color)	4278831856 (0xFF09CAF0)
YUV	148.6250, 45.0479, -122.4511
Hunter-Lab	69.7068, -27.3390, -27.6443

# Details

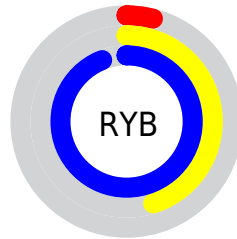
The Hex color **09CAF0** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **F02F09**, and the grayscale version is **949494**.

A 20% lighter version of the original color is **71FFFF**, and **0094B8** is the 20% darker color. If you saturate the color by 10%, you get **00C9F0**, and if you desaturate by 10%, it is **21CEF0**.

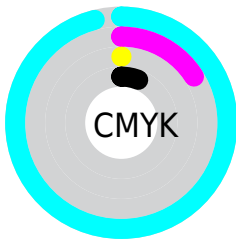
# Distribution



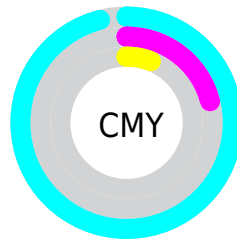
- Red (4%)
- Green (79%)
- Blue (94%)



- Red (4%)
- Yellow (45%)
- Blue (94%)



- Cyan (96%)
- Magenta (16%)
- Yellow (0%)
- Black (6%)



- Cyan (96%)
- Magenta (21%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 09CAF0 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 09CAF0 by changing the saturation by 10% instead.



 09CAF0

 09CAF0

FFFFFF

 00AED4

 71FFFF

 0094B8

 93FFFF

 007A9D

 B3FFFF

 006083

 D3FFFF

 004869

 F3FFFF

 003151

 001D3A

 000224

 00000C

■ 09CAF0

■ 09CAF0

■ 00C9F0

■ 21CEF0

■ 39D2F0

■ 51D6F0

■ 69DAF0

■ 81DEF0

■ 99E2F0

■ B1E6F0

■ C9EAF0

■ E1EEF0

# Harmonies

## Analogous

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



1CCDCE



09CAF0



63C2FF

# Triad

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



09CAF0



F99DCB



BCBE6F

# Complementary

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



09CAF0



F02F09

# 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.



E0B16F



09CAF0



FF9CA4

# Square

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



09CAF0



D9A7ED



FAA483



91C784

# Rectangle

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



09CAF0



90BAFF



FAA483



C9BA6C



# Sweetspot

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



09CAF0



B5F3FF



09F02C



537880



000000



808080



# Same Dimension

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



09CAF0



00D5FF



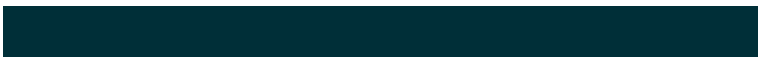
095AF0



6C7678



0099B8



002F38



# Inverse Universe

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



F009CA



FF00D5



F09F09



786C76



B80099

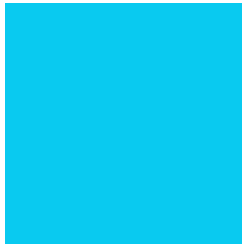


38002F



# Previews

## White Background



This preview shows how the Hex color 09CAF0 looks on a white 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

# Black Background



This preview shows how the Hex color 09CAF0 looks on a black 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

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



## Hex 09CAF0 Background



This preview shows how black text looks on a background with the Hex color 09CAF0.

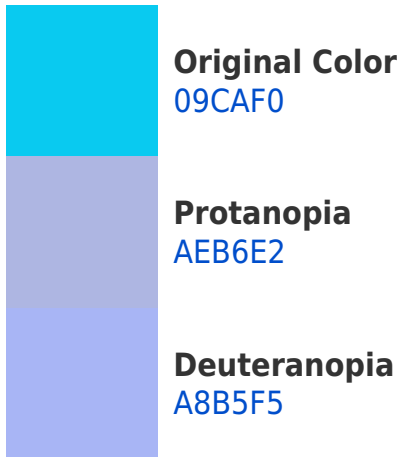


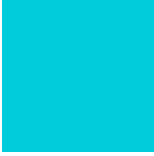
This preview shows how white text looks on a background with the Hex color 09CAF0.

# 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





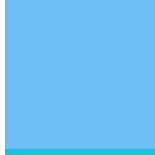
# Trichromacy



**Original Color**  
09CAF0



**Protanomaly**  
72BDE7



**Deuteranomaly**  
6EBDF3



**Tritanomaly**  
03CBE3

# Monochromacy



**Original Color**  
09CAF0



**Achromatopsia**  
959595



**Achromatomaly**  
62A8B6

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 09CAF0 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 #09CAF0 looks like.

```
.text, #text, p{  
    color:#09CAF0  
}
```

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 #09CAF0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #09CAF0
}
```

## Border

The CSS property to change the border of an element to Hex 09CAF0 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
#09CAF0 }
```

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

```
.border{ border-color:#09CAF0 }
```

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

Here you see how a box with a 4 pixel #09CAF0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #09CAF0; -webkit-box-shadow:4px 4px  
4px 4px #09CAF0; box-shadow:4px 4px 4px  
4px #09CAF0 }
```

# Background

The CSS property to change the background color of an element to Hex 09CAF0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#09CAF0 }
```

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

```
.background{ background-color:#09CAF0 }
```

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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