

# Converting Colors

Hex(009EFF)

Have a look what the booklet for  
Hex(009EFF) contains.

<b>Hex(009EFF)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# **Color**

**Hex(009EFF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	009EFF
RGB	0, 158, 255
RGB Percent	0%, 62%, 100%
CMY	1.0000, 0.3804, 0.0000
CMYK	1.00, 0.38, 0.00, 0.00
HSL	203°, 100%, 50%
HSV	203°, 100%, 100%
XYZ	30.2769, 31.6737, 99.1256
YIQ	121.8160, -125.3050, -3.3290

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 98, 255
Decimal	40703
CIELab	63.07, 0.65, -57.51
CIELCh	63, 57.510, 270.645
Yxy	31.6737, 0.1880, 0.1966
Android (android.graphics.Color)	4278230783 (0xFF009EFF)
YUV	121.8160, 65.6597, -106.8326
Hunter-Lab	56.2794, -2.4606, -65.0326

# Details

The Hex color **009EFF** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **FF6100**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **70D4FF**, and **006BC6** is the 20% darker color. If you saturate the color by 10%, you get **009EFF**, and if you desaturate by 10%, it is **19A8FF**.

# Distribution



- Red (0%)
- Green (62%)
- Blue (100%)



- Red (0%)
- Yellow (38%)
- Blue (100%)



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)




- Cyan (100%)
- Magenta (38%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 009EFF 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 009EFF by changing the saturation by 10% instead.



 009EFF

 009EFF

FFFFFF

 0084E2

 70D4FF

 006BC6

 92F0FF

 0054AA

 B3FFFF

 003D8F

 D3FFFF

 002975

 F3FFFF

 00155B

 000743

 00032C

 000116

 009EFF

 19A8FF

 33B1FF

 4DBBFF

 66C5FF

 80CFFF

 99D8FF

 B3E2FF

 CCECFF

 E6F5FF

# Harmonies

## Analogous

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



00ABF1



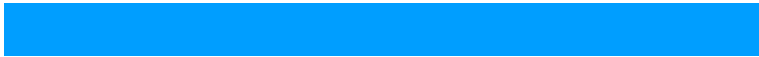
009EFF



9B8BF1

# Triad

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



009EFF



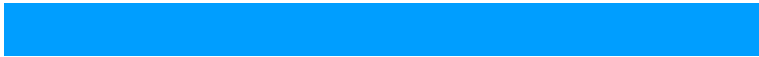
F37067



33AD64

# Complementary

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



009EFF



FF6100

# 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.



7FA53A



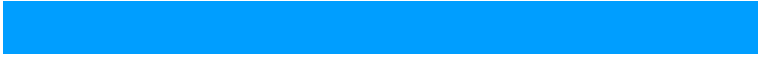
009EFF



DB833E

# Square

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



009EFF



F4699A



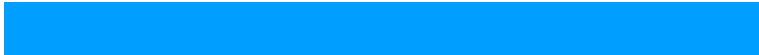
B39629



00B198

# Rectangle

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



009EFF



C77CDA



B39629



53AB54

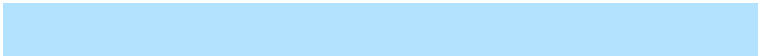


# Sweetspot

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



009EFF



B3E2FF



00FF5E



526E80



000000



808080



# Same Dimension

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



009EFF



0022FF



737B80



0077BF



002840

# Inverse Universe

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



FF009E



FFDD00



80737B



BF0076



400027

# Previews

## White Background



This preview shows how the Hex color 009EFF looks on a white background.

## Color Contrast Check

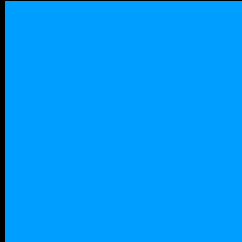
Large Text (above 18pt) WCAG AA × Fail

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 009EFF looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

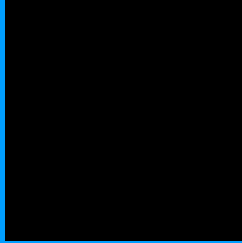
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

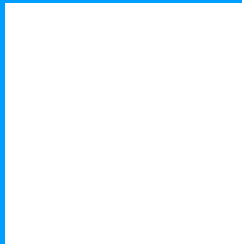
Any Text WCAG AAA ✓ Pass

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

## Hex 009EFF Background



This preview shows how black text looks on a background with the Hex color 009EFF.



This preview shows how white text looks on a background with the Hex color 009EFF.

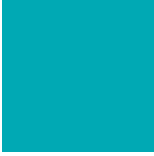
# Color Blindness Simulation

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

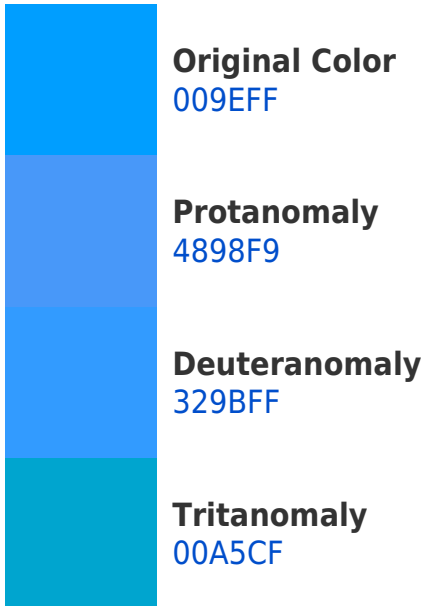




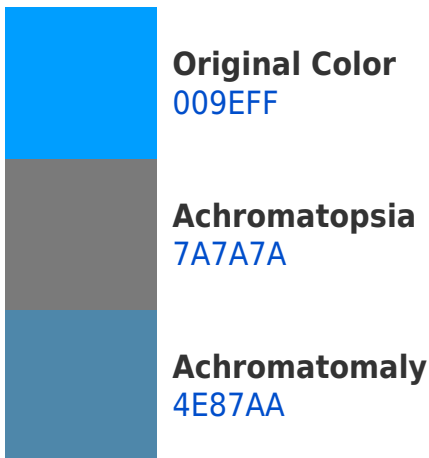


**Tritanopia**  
00A9B4

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 009EFF 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 #009EFF looks like.

```
.text, #text, p{  
    color:#009EFF  
}
```

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 #009EFF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #009EFF
}
```

## Border

The CSS property to change the border of an element to Hex 009EFF 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
#009EFF }
```

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

```
.border{ border-color:#009EFF }
```

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

Here you see how a box with a 4 pixel #009EFF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #009EFF; -webkit-box-shadow:4px 4px  
4px 4px #009EFF; box-shadow:4px 4px 4px  
4px #009EFF }
```

# Background

The CSS property to change the background color of an element to Hex 009EFF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#009EFF }
```

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

```
.background{ background-color:#009EFF }
```

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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