

# Converting Colors

Hex(0068FE)

Have a look what the booklet for  
Hex(0068FE) contains.

<b>Hex(0068FE)</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> .....	29

# Color

**Hex(0068FE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0068FE
RGB	0, 104, 254
RGB Percent	0%, 41%, 100%
CMY	1.0000, 0.5922, 0.0039
CMYK	1.00, 0.59, 0.00, 0.00
HSL	215°, 100%, 50%
HSV	215°, 100%, 100%
XYZ	22.8397, 17.0564, 95.8544
YIQ	90.0040, -110.1340, 24.6020

# Conversions

## Conversions Part 2

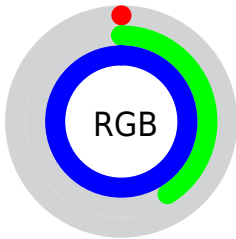
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	0, 74, 254
Decimal	26878
CIE Lab	48.33, 33.56, -80.77
CIE LCh	48, 87.462, 292.566
Yxy	17.0564, 0.1682, 0.1256
Android (android.graphics.Color)	4278216958 (0xFF0068FE)
YUV	90.0040, 80.8500, -78.9335
Hunter-Lab	41.2994, 26.4416, -108.7004

# Details

The Hex color **0068FE** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **FE9600**, and the grayscale version is **595959**.

A 20% lighter version of the original color is **729AFF**, and **003BC4** is the 20% darker color. If you saturate the color by 10%, you get **0068FE**, and if you desaturate by 10%, it is **1977FE**.

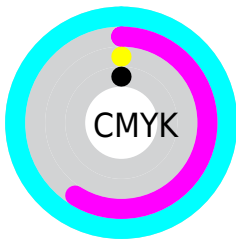
# Distribution



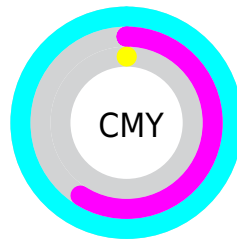
- Red (0%)
- Green (41%)
- Blue (100%)



- Red (0%)
- Yellow (29%)
- Blue (100%)



- Cyan (100%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (59%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0068FE 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 0068FE by changing the saturation by 10% instead.



 0068FE

 0068FE

FFFFFF

 0051E1

 729AFF

 003BC4

 94B5FF

 0027A8

 B5D0FF

 00168D

 D5ECFF


 000172

 F5FFFF

 000D59

 000740

 000329

 000113

 0068FE

 1977FE

 3386FE

 4C95FE

 66A4FE

 7FB3FE

 98C2FE

 B2D1FE

 CBE0FE

 E5EFFE

# Harmonies

## Analogous

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



0082FF



0068FE



B637CE

# Triad

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



0068FE



CF4200



008F5D

# Complementary

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



0068FE



FE9600

# 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.



008A00



0068FE



9C6A00

# Square

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



0068FE



EC0040



567F00



0091AA

# Rectangle

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



0068FE



DD00A1



567F00



008E43



# Sweetspot

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



0068FE



B3D2FF



00FE94



526480



000000



808080



# Same Dimension

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



0068FE



0068FF



1500FE



737880



004EBF



001A40



# Inverse Universe

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



FE0068



FF0068



E9FE00



807378



BF004E



40001A



# Previews

## White Background



This preview shows how the Hex color 0068FE looks on a white background.

## Color Contrast Check

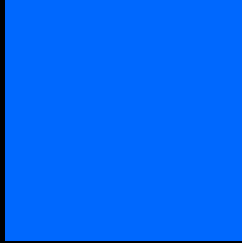
Large Text (above 18pt) WCAG AA ✓ Pass

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 0068FE 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 0068FE Background



This preview shows how black text looks on a background with the Hex color 0068FE.



This preview shows how white text looks on a background with the Hex color 0068FE.

# 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**  
007F86

# Trichromacy



**Original Color**  
0068FE

**Protanomaly**  
006CF1

**Deuteranomaly**  
0070DC

**Tritanomaly**  
0077B2

# Monochromacy



**Original Color**  
0068FE

**Achromatopsia**  
5A5A5A

**Achromatomaly**  
395F96

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0068FE 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 #0068FE looks like.

```
.text, #text, p{  
    color:#0068FE  
}
```

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 #0068FE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0068FE
}
```

## Border

The CSS property to change the border of an element to Hex 0068FE is called "border". The border property can be set on classes, ids or directly on the HTML element.

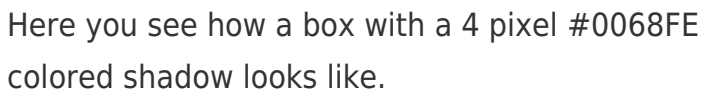
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#0068FE }
```

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

```
.border{ border-color:#0068FE }
```

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



Here you see how a box with a 4 pixel #0068FE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0068FE; -webkit-box-shadow:4px 4px  
4px 4px #0068FE; box-shadow:4px 4px 4px  
4px #0068FE }
```

# Background

The CSS property to change the background color of an element to Hex 0068FE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0068FE }
```

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

```
.background{ background-color:#0068FE }
```

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