

# Converting Colors

Hex(0078F4)

Have a look what the booklet for  
Hex(0078F4) contains.

<b>Hex(0078F4)</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(0078F4)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0078F4
RGB	0, 120, 244
RGB Percent	0%, 47%, 96%
CMY	1.0000, 0.5294, 0.0431
CMYK	1.00, 0.51, 0.00, 0.04
HSL	210°, 100%, 48%
HSV	210°, 100%, 96%
XYZ	23.0456, 19.9646, 88.2269
YIQ	98.2560, -111.3240, 13.1240

# Conversions

## Conversions Part 2

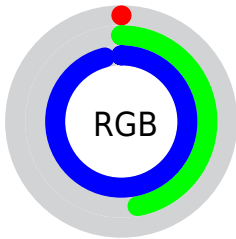
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	0, 80, 244
Decimal	30964
CIE Lab	51.80, 19.55, -69.56
CIE LCh	52, 72.261, 285.701
Yxy	19.9646, 0.1756, 0.1521
Android (android.graphics.Color)	4278221044 (0xFF0078F4)
YUV	98.2560, 71.8518, -86.1705
Hunter-Lab	44.6818, 13.8722, -85.7945

# Details

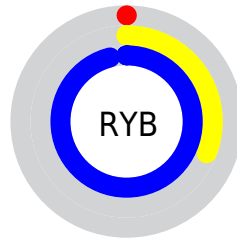
The Hex color **0078F4** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **F47C00**, and the grayscale version is **626262**.

A 20% lighter version of the original color is **6EABFF**, and **0049BB** is the 20% darker color. If you saturate the color by 10%, you get **0078F4**, and if you desaturate by 10%, it is **1884F4**.

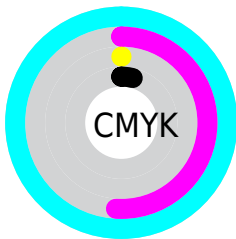
# Distribution



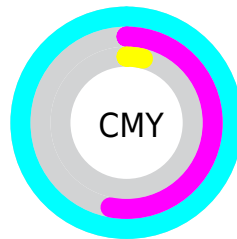
- Red (0%)
- Green (47%)
- Blue (96%)



- Red (0%)
- Yellow (31%)
- Blue (96%)



- Cyan (100%)
- Magenta (51%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (53%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0078F4 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 0078F4 by changing the saturation by 10% instead.



 0078F4

 0078F4

FFFFFF

 0060D7

 6EABFF

 0049BB

 8FC7FF

 00349F

 B0E2FF

 002184

 CFFFFFF

 000A6A

 EFFFFFF

 000B51

 000539

 000223

 000009

 0078F4

 1884F4

 3191F4

 499DF4

 62AAF4

 7AB6F4

 92C2F4

 ABCFF4

 C3DBF4

 DCE8F4

# Harmonies

## Analogous

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



008BF4



0078F4



A55AD3

# Triad

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



0078F4



D55022



00955B

# Complementary

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



0078F4



F47C00

# 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.



228F15



0078F4



AE6E00

# Square

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



0078F4



E7315E



778300



00979B

# Rectangle

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



0078F4



CD42B0



778300



009345

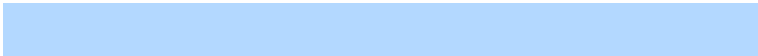


# Sweetspot

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



0078F4



B3D8FF



00F47A



526880



000000



808080



# Same Dimension

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



0078F4



007DFF



0000F4



6E747A



005CBA



001D3B



# Inverse Universe

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



F40078



FF007D



F4F400



7A6E74



BA005C



3B001D



# Previews

## White Background



This preview shows how the Hex color 0078F4 looks on a white background.

## Color Contrast Check

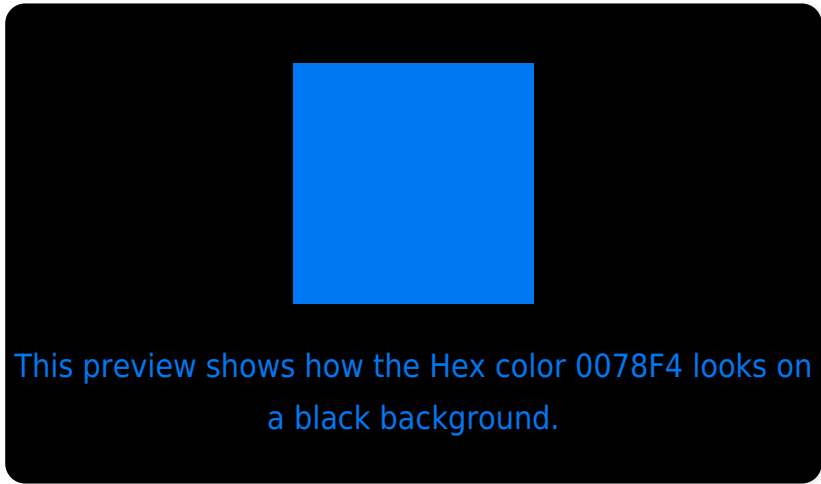
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

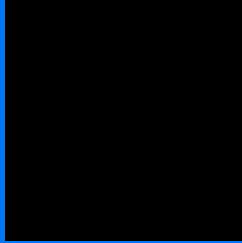
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

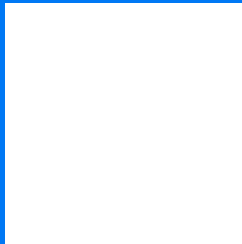
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 0078F4 Background



This preview shows how black text looks on a background with the Hex color 0078F4.

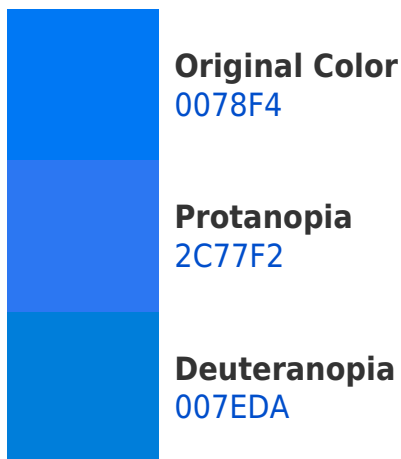


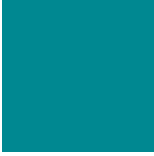
This preview shows how white text looks on a background with the Hex color 0078F4.

# 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](#).

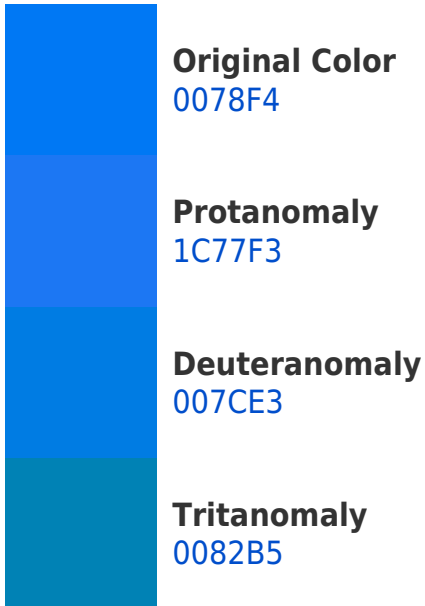
## Dichromacy





**Tritanopia**  
008891

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0078F4 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 #0078F4 looks like.

```
.text, #text, p{  
    color:#0078F4  
}
```

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 #0078F4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0078F4
}
```

## Border

The CSS property to change the border of an element to Hex 0078F4 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
#0078F4 }
```

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

```
.border{ border-color:#0078F4 }
```

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

Here you see how a box with a 4 pixel #0078F4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0078F4; -webkit-box-shadow:4px 4px  
4px 4px #0078F4; box-shadow:4px 4px 4px  
4px #0078F4 }
```

# Background

The CSS property to change the background color of an element to Hex 0078F4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0078F4 }
```

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

```
.background{ background-color:#0078F4 }
```

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