

# Converting Colors

Hex(0055EB)

Have a look what the booklet for  
Hex(0055EB) contains.

<b>Hex(0055EB)</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(0055EB)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0055EB
RGB	0, 85, 235
RGB Percent	0%, 33%, 92%
CMY	1.0000, 0.6667, 0.0784
CMYK	1.00, 0.64, 0.00, 0.08
HSL	218°, 100%, 46%
HSV	218°, 100%, 92%
XYZ	18.2439, 12.4952, 80.0475
YIQ	76.6850, -98.8100, 28.6300

# Conversions

## Conversions Part 2

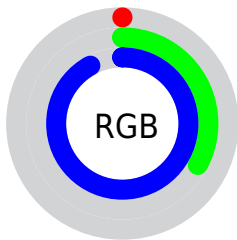
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	0, 62, 235
Decimal	21995
CIE Lab	41.99, 38.46, -80.52
CIE LCh	42, 89.231, 295.529
Yxy	12.4952, 0.1647, 0.1128
Android (android.graphics.Color)	4278212075 (0xFF0055EB)
YUV	76.6850, 78.0493, -67.2527
Hunter-Lab	35.3485, 30.2667, -109.5197

# Details

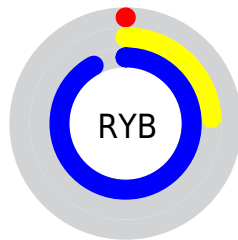
The Hex color **0055EB** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **EB9600**, and the grayscale version is **4C4C4C**.

A 20% lighter version of the original color is **6D86FF**, and **0029B2** is the 20% darker color. If you saturate the color by 10%, you get **0055EB**, and if you desaturate by 10%, it is **1764EB**.

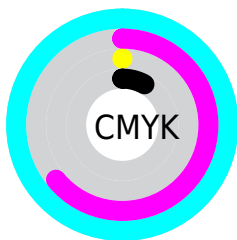
# Distribution



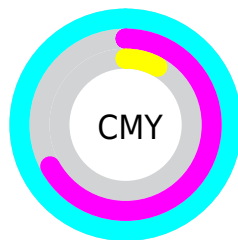
- Red (0%)
- Green (33%)
- Blue (92%)



- Red (0%)
- Yellow (24%)
- Blue (92%)



- Cyan (100%)
- Magenta (64%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (67%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 0055EB 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 0055EB by changing the saturation by 10% instead.



 0055EB

 0055EB

FFFFFF

 003ECE

 6D86FF

 0029B2

 8FA0FF

 001796

 AFBBFF

 00027C

 CFD7FF

 000C61

 EFF3FF

 000949

 000431

 00011B

 000000

 0055EB

 1764EB

 2F73EB

 4782EB

 5E91EB

 76A0EB

 8DAFEB

 A4BEEB

 BCCDEB

 D3DCEB

# Harmonies

## Analogous

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



0072F9



0055EB



AC0DB8

# Triad

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



0055EB



B73400



007E56

# Complementary

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



0055EB



EB9600

# 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.



007A00



0055EB



835D00

# Square

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



0055EB



D7002A



397100



007FA1

# Rectangle

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



0055EB



CF008A



397100



007D3B



# Sweetspot

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



0055EB



B3CEFF



00EB95



526280



000000



808080



# Same Dimension

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



0055EB



005CFF



1F00EB



6A6E75



0041B5



001336



# Inverse Universe

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



EB0055



FF005C



CCEB00



756A6E



B50041



360013



# Previews

## White Background



This preview shows how the Hex color 0055EB looks on a white background.

## Color Contrast Check

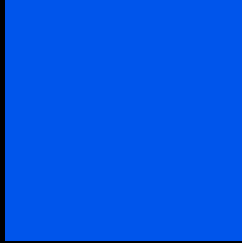
Large Text (above 18pt) WCAG AA ✓ Pass

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 0055EB looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

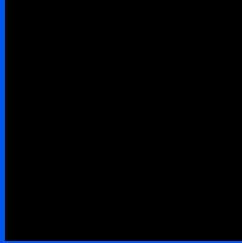
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0055EB Background



This preview shows how black text looks on a background with the Hex color 0055EB.

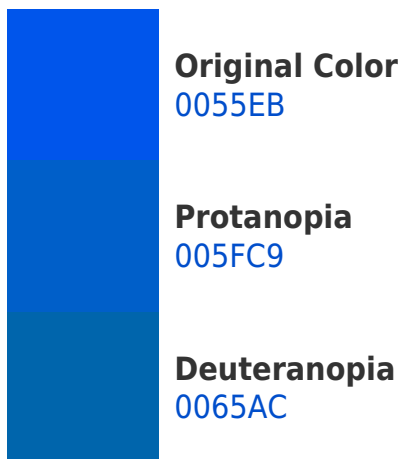


This preview shows how white text looks on a background with the Hex color 0055EB.

# 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**  
006E74

# Trichromacy



**Original Color**  
0055EB

**Protanomaly**  
005BD5

**Deuteranomaly**  
005FC3

**Tritanomaly**  
00659F

# Monochromacy



**Original Color**  
0055EB

**Achromatopsia**  
4D4D4D

**Achromatomaly**  
315086

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0055EB 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 #0055EB looks like.

```
.text, #text, p{  
    color:#0055EB  
}
```

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 #0055EB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0055EB
}
```

## Border

The CSS property to change the border of an element to Hex 0055EB 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
#0055EB }
```

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

```
.border{ border-color:#0055EB }
```

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

Here you see how a box with a 4 pixel #0055EB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0055EB; -webkit-box-shadow:4px 4px  
4px 4px #0055EB; box-shadow:4px 4px 4px  
4px #0055EB }
```

# Background

The CSS property to change the background color of an element to Hex 0055EB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0055EB }
```

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

```
.background{ background-color:#0055EB }
```

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