

# Converting Colors

Hex(0073ED)

Have a look what the booklet for  
Hex(0073ED) contains.

<b>Hex(0073ED)</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> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(0073ED)**

# Conversions

Conversions Part 1	
Format	Color
Hex	0073ED
RGB	0, 115, 237
RGB Percent	0%, 45%, 93%
CMY	1.0000, 0.5490, 0.0706
CMYK	1.00, 0.51, 0.00, 0.07
HSL	211°, 100%, 46%
HSV	211°, 100%, 93%
XYZ	21.4168, 18.3759, 82.5389
YIQ	94.5230, -107.7020, 13.5620

# Conversions

## Conversions Part 2

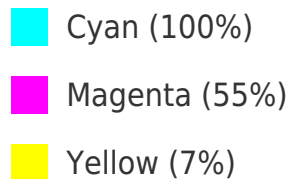
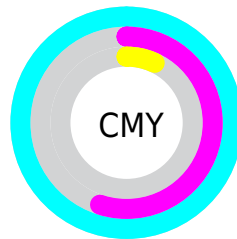
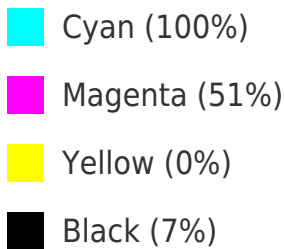
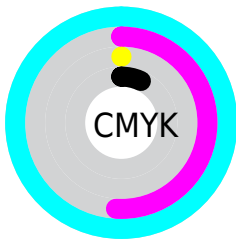
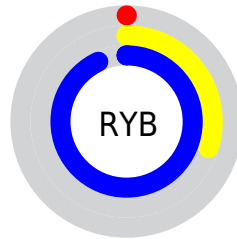
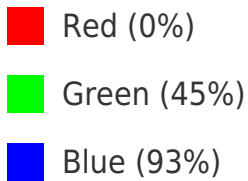
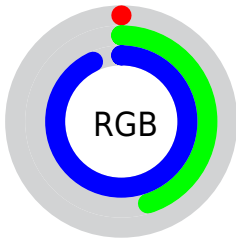
Format	Color
<a href="#">RYB</a>	<a href="#">0, 77, 237</a>
Decimal	<a href="#">29677</a>
CIELab	<a href="#">49.95, 20.00, -68.65</a>
CIELCh	<a href="#">50, 71.508, 286.238</a>
Yxy	<a href="#">18.3759, 0.1751, 0.1502</a>
Android (android.graphics.Color)	<a href="#">4278219757</a> (0xFF0073ED)
YUV	<a href="#">94.5230, 70.2412, -82.8967</a>
Hunter-Lab	<a href="#">42.8671, 14.1628, -84.1535</a>

# Details

The Hex color **0073ED** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **ED7A00**, and the grayscale version is **5E5E5E**.

A 20% lighter version of the original color is **6CA6FF**, and **0044B4** is the 20% darker color. If you saturate the color by 10%, you get **0073ED**, and if you desaturate by 10%, it is **187FED**.

# Distribution



# Brightness & Saturation Gradients

These gradients show how the Hex color 0073ED 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 0073ED by changing the saturation by 10% instead.



 0073ED

FFFFFF

 6CA6FF

 8DC1FF

 ADDDFE

 CDF9FF

 ECFEFE

 0073ED

 005BD0

 0044B4

 002F99

 001D7E

 000164

 00094B

 000434

 00021D

 000000

 0073ED

 187FED

 2F8BED

 4798ED

 5FA4ED

 76B0ED

 8EBCED

 A6C8ED

 BED5ED

 D5E1ED

# Harmonies

## Analogous

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



0086EE



0073ED



A155CC

# Triad

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



0073ED



CE4C1E



008F58

# Complementary

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



0073ED



ED7A00

# 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.



198A12



0073ED



A76A00

# Square

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



0073ED



E02C59



717E00



009197

# Rectangle

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



0073ED



C83DA9



717E00



008E42

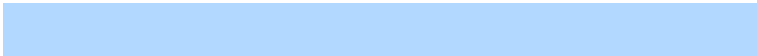


# Sweetspot

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



0073ED



B3D8FF



00ED76



526880



000000



808080



# Same Dimension

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



0073ED



007CFF



0000ED



6A6F75



0058B5



001A36



# Inverse Universe

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



ED0073



FF007C



EDED00



756A6F



B50058



36001A



# Previews

## White Background



This preview shows how the Hex color 0073ED looks on a white background.

## Color Contrast Check

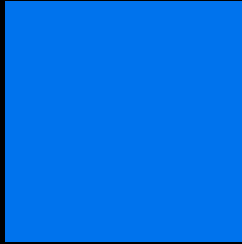
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 0073ED 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 × Fail

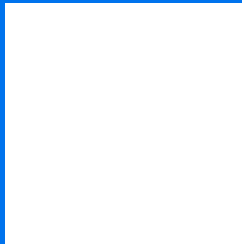
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 0073ED Background



This preview shows how black text looks on a background with the Hex color 0073ED.



This preview shows how white text looks on a background with the Hex color 0073ED.

# 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



**Original Color**  
0073ED

**Protanopia**  
2472EC

**Deuteranopia**  
0079D2



**Tritanopia**  
00838C

# Trichromacy

	<b>Original Color</b> 0073ED
	<b>Protanomaly</b> 1772EC
	<b>Deuteranomaly</b> 0077DC
	<b>Tritanomaly</b> 007DAF

# Monochromacy

	<b>Original Color</b> 0073ED
	<b>Achromatopsia</b> 5F5F5F
	<b>Achromatomaly</b> 3C6693

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0073ED 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 #0073ED looks like.

```
.text, #text, p{  
    color:#0073ED  
}
```

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 #0073ED colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0073ED
}
```

## Border

The CSS property to change the border of an element to Hex 0073ED 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
#0073ED }
```

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

```
.border{ border-color:#0073ED }
```

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

Here you see how a box with a 4 pixel #0073ED colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0073ED; -webkit-box-shadow:4px 4px  
4px 4px #0073ED; box-shadow:4px 4px 4px  
4px #0073ED }
```

# Background

The CSS property to change the background color of an element to Hex 0073ED is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0073ED }
```

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

```
.background{ background-color:#0073ED }
```

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