

# Converting Colors

Hex(0073E5)

Have a look what the booklet for  
Hex(0073E5) contains.

<b>Hex(0073E5)</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(0073E5)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0073E5
RGB	0, 115, 229
RGB Percent	0%, 45%, 90%
CMY	1.0000, 0.5490, 0.1020
CMYK	1.00, 0.50, 0.00, 0.10
HSL	210°, 100%, 45%
HSV	210°, 100%, 90%
XYZ	20.2736, 17.9186, 76.5188
YIQ	93.6110, -105.1340, 11.0740

# Conversions

## Conversions Part 2

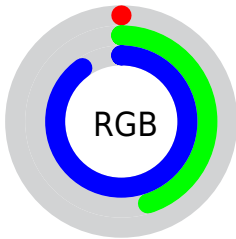
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 77, 229
Decimal	29669
CIELab	49.40, 16.86, -65.06
CIELCh	49, 67.209, 284.529
Yxy	17.9186, 0.1767, 0.1562
Android (android.graphics.Color)	4278219749 (0xFF0073E5)
YUV	93.6110, 66.7468, -82.0968
Hunter-Lab	42.3304, 11.4121, -77.5448

# Details

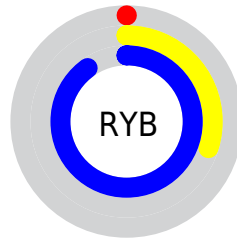
The Hex color **0073E5** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **E57200**, and the grayscale version is **5D5D5D**.

A 20% lighter version of the original color is **6AA6FF**, and **0044AD** is the 20% darker color. If you saturate the color by 10%, you get **0073E5**, and if you desaturate by 10%, it is **177EE5**.

# Distribution



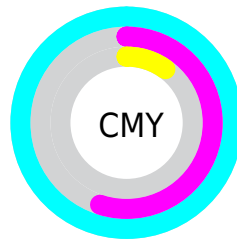
- Red (0%)
- Green (45%)
- Blue (90%)



- Red (0%)
- Yellow (30%)
- Blue (90%)



- Cyan (100%)
- Magenta (50%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (55%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0073E5 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 0073E5 by changing the saturation by 10% instead.



 0073E5

 0073E5


FFFFFF

 005BC8

 6AA6FF

 0044AD

 8BC1FF

 002F91

 AADDFE

 001D77

 CAF9FF

 00035E

 E9FFFF

 000845

 00032E

 000118

 000000

■ 0073E5

■ 177EE5

■ 2E8AE5

■ 4595E5

■ 5CA1E5

■ 73ACE5

■ 89B7E5

■ A0C3E5

■ B7CEE5

■ CEDAE5

# Harmonies

## Analogous

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



0084E4



0073E5



9958C8

# Triad

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



0073E5



CA4D26



008D55

# Complementary

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



0073E5



E57200

# 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.



2C8716



0073E5



A66800

# Square

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



0073E5



D9335C



747B00



008F91

# Rectangle

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



0073E5



BF43A8



747B00



008B41

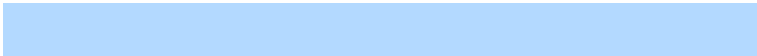


# Sweetspot

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



0073E5



B3D9FF



00E56F



526980



000000



808080



# Same Dimension

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



0073E5



0080FF



0004E5



676D73



005AB3



001A33



# Inverse Universe

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



E50073



FF0080



E5E100



73676D



B3005A



33001A



# Previews

## White Background



This preview shows how the Hex color 0073E5 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



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

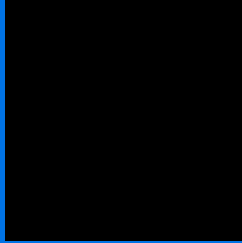
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

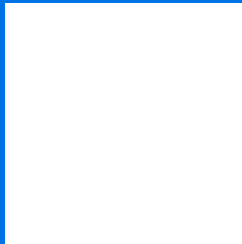
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 0073E5 Background



This preview shows how black text looks on a background with the Hex color 0073E5.



This preview shows how white text looks on a background with the Hex color 0073E5.

# 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**  
00828A

# Trichromacy



**Original Color**  
0073E5

**Protanomaly**  
1F72E4

**Deuteranomaly**  
0076D8

**Tritanomaly**  
007DAB

# Monochromacy



**Original Color**  
0073E5

**Achromatopsia**  
5E5E5E

**Achromatomaly**  
3C668F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0073E5 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 #0073E5 looks like.

```
.text, #text, p{  
    color:#0073E5  
}
```

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 #0073E5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0073E5
}
```

## Border

The CSS property to change the border of an element to Hex 0073E5 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
#0073E5 }
```

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

```
.border{ border-color:#0073E5 }
```

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

Here you see how a box with a 4 pixel #0073E5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0073E5; -webkit-box-shadow:4px 4px  
4px 4px #0073E5; box-shadow:4px 4px 4px  
4px #0073E5 }
```

# Background

The CSS property to change the background color of an element to Hex 0073E5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0073E5 }
```

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

```
.background{ background-color:#0073E5 }
```

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