

# Converting Colors

Hex(076EE2)

Have a look what the booklet for  
Hex(076EE2) contains.

<b>Hex(076EE2)</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(076EE2)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	076EE2
RGB	7, 110, 226
RGB Percent	3%, 43%, 89%
CMY	0.9725, 0.5686, 0.1137
CMYK	0.97, 0.51, 0.00, 0.11
HSL	212°, 94%, 46%
HSV	212°, 97%, 89%
XYZ	19.3910, 16.6880, 74.1506
YIQ	92.4270, -98.6240, 14.2400

# Conversions

## Conversions Part 2

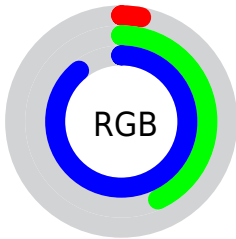
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	7, 77, 226
Decimal	487138
CIE <sub>Lab</sub>	47.86, 19.07, -65.85
CIE <sub>LCh</sub>	48, 68.554, 286.149
Yxy	16.6880, 0.1759, 0.1514
Android (android.graphics.Color)	4278677218 (0xFF076EE2)
YUV	92.4270, 65.8515, -74.9195
Hunter-Lab	40.8510, 13.2407, -79.0245

# Details

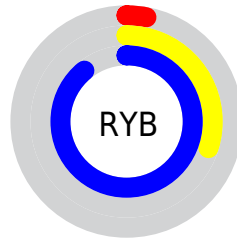
The Hex color **076EE2** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **E27B07**, and the grayscale version is **5C5C5C**.

A 20% lighter version of the original color is **6AA1FF**, and **0040AA** is the 20% darker color. If you saturate the color by 10%, you get **006AE2**, and if you desaturate by 10%, it is **1E7AE2**.

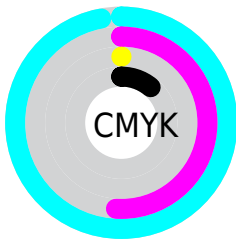
# Distribution



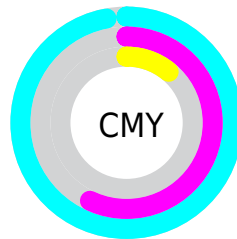
- Red (3%)
- Green (43%)
- Blue (89%)



- Red (3%)
- Yellow (30%)
- Blue (89%)



- Cyan (97%)
- Magenta (51%)
- Yellow (0%)
- Black (11%)



- Cyan (97%)
- Magenta (57%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 076EE2 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 076EE2 by changing the saturation by 10% instead.



076EE2

076EE2

FFFFFF

0056C5

6AA1FF

0040AA

8BBCFF

002B8F

ABD7FF

001974

CAF3FF

00065B

E9FFFF

000742

00032B

000115

000000

■ 076EE2

■ 076EE2

■ 006AE2

■ 1E7AE2

■ 3486E2

■ 4B92E2

■ 619EE2

■ 78AAE2

■ 8FB6E2

■ A5C2E2

■ BCCEE2

■ D2DAE2

# Harmonies

## Analogous

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



0080E3



076EE2



9A51C3

# Triad

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



076EE2



C5491D



008954

# Complementary

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



076EE2



E27B07

# 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.



1A8412



076EE2



A06500

# Square

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



076EE2



D62C55



6D7900



008B90

# Rectangle

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



076EE2



BE3BA2



6D7900



008840



# Sweetspot

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



076EE2



B5D8FF



07E278



536880



000000



808080



# Same Dimension

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



076EE2



0078FF



0B07E2



656A70



0053B0



001730



# Inverse Universe

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



E2076E



FF0078



DEE207



70656A



B00053



300017



# Previews

## White Background



This preview shows how the Hex color 076EE2 looks on a white background.

## Color Contrast Check

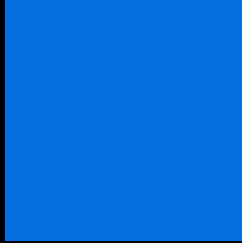
Large Text (above 18pt) WCAG AA ✓ Pass

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 076EE2 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

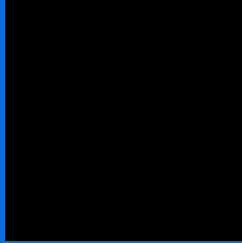
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

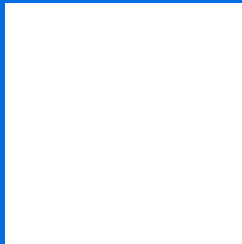
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 076EE2 Background



This preview shows how black text looks on a background with the Hex color 076EE2.



This preview shows how white text looks on a background with the Hex color 076EE2.

# 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



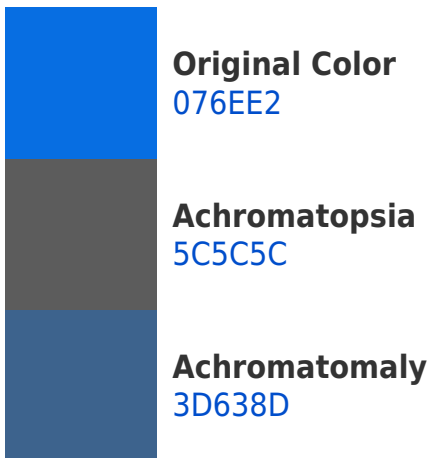


**Tritanopia**  
007E86

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 076EE2 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 #076EE2 looks like.

```
.text, #text, p{  
    color:#076EE2  
}
```

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 #076EE2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #076EE2
}
```

## Border

The CSS property to change the border of an element to Hex 076EE2 is called "border". The border property can be set on classes, ids or directly on the HTML element.

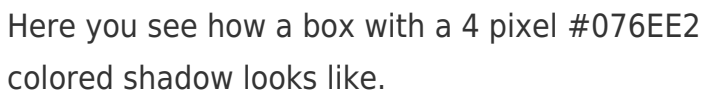
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#076EE2 }
```

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

```
.border{ border-color:#076EE2 }
```

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



Here you see how a box with a 4 pixel #076EE2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #076EE2; -webkit-box-shadow:4px 4px  
4px 4px #076EE2; box-shadow:4px 4px 4px  
4px #076EE2 }
```

# Background

The CSS property to change the background color of an element to Hex 076EE2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#076EE2 }
```

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

```
.background{ background-color:#076EE2 }
```

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