

# Converting Colors

Hex(0077D4)

Have a look what the booklet for  
Hex(0077D4) contains.

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# Color

**Hex(0077D4)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0077D4
RGB	0, 119, 212
RGB Percent	0%, 47%, 83%
CMY	1.0000, 0.5333, 0.1686
CMYK	1.00, 0.44, 0.00, 0.17
HSL	206°, 100%, 42%
HSV	206°, 100%, 83%
XYZ	18.4805, 17.9471, 64.7775
YIQ	94.0210, -100.7770, 3.6950

# Conversions

## Conversions Part 2

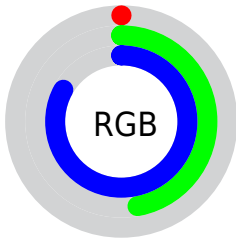
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 76, 212
Decimal	30676
CIELab	49.43, 7.63, -55.40
CIELCh	49, 55.919, 277.843
Yxy	17.9471, 0.1826, 0.1773
Android (android.graphics.Color)	4278220756 (0xFF0077D4)
YUV	94.0210, 58.1636, -82.4564
Hunter-Lab	42.3640, 3.7301, -61.0036

# Details

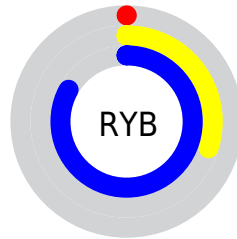
The Hex color **0077D4** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **D45D00**, and the grayscale version is **5E5E5E**.

A 20% lighter version of the original color is **65ABFF**, and **00489D** is the 20% darker color. If you saturate the color by 10%, you get **0077D4**, and if you desaturate by 10%, it is **1580D4**.

# Distribution



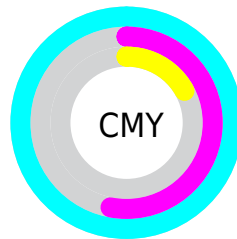
- Red (0%)
- Green (47%)
- Blue (83%)



- Red (0%)
- Yellow (30%)
- Blue (83%)



- Cyan (100%)
- Magenta (44%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (53%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0077D4 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 0077D4 by changing the saturation by 10% instead.



 0077D4

 0077D4

FFFFFF

 005FB8

 65ABFF

 00489D

 85C6FF

 003282

 A4E2FF

 001F68

 C3FEFF

 000650

 E2FFFF

 000538

 000221

 000007

 000000

■ 0077D4

■ 1580D4

■ 2A8AD4

■ 4093D4

■ 559CD4

■ 6AA6D4

■ 7FAFD4

■ 94B8D4

■ AAC1D4

■ BFCBD4

# Harmonies

## Analogous

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



0084CD



0077D4



8763C1

# Triad

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



0077D4



C3523E



008950

# Complementary

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



0077D4



D45D00

# 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.



4E8322



0077D4



A96616

# Square

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



0077D4



CA456B



817700



008C81

# Rectangle

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



0077D4



AB55A9



817700



0C8840

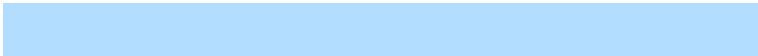


# Sweetspot

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



0077D4



B3DDFF



00D45C



526B80



000000



808080



# Same Dimension

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



0077D4



008FFF



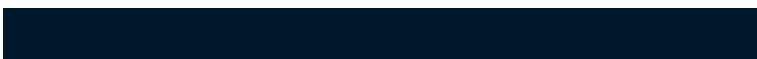
000ED4



60666B



0060AB



00182B



# Inverse Universe

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



D40077



FF008F



D4C600



6B6066



AB0060



2B0018



# Previews

## White Background



This preview shows how the Hex color 0077D4 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

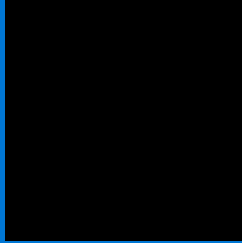
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 0077D4 Background



This preview shows how black text looks on a background with the Hex color 0077D4.

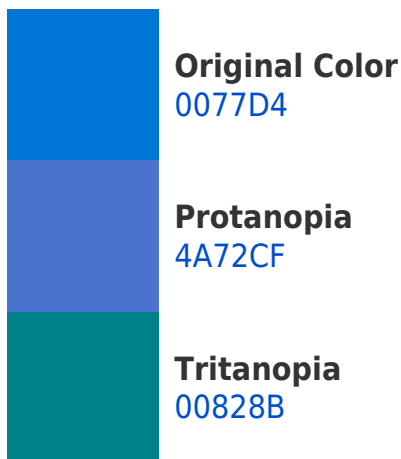


This preview shows how white text looks on a background with the Hex color 0077D4.

# 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



# Trichromacy



**Original Color**  
0077D4

**Protanomaly**  
2F74D1

**Tritanomaly**  
007EA6

# Monochromacy



**Original Color**  
0077D4

**Achromatopsia**  
5E5E5E

**Achromatomaly**  
3C6789

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0077D4 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 #0077D4 looks like.

```
.text, #text, p{  
    color:#0077D4  
}
```

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 #0077D4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0077D4
}
```

## Border

The CSS property to change the border of an element to Hex 0077D4 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
#0077D4 }
```

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

```
.border{ border-color:#0077D4 }
```

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

Here you see how a box with a 4 pixel #0077D4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0077D4; -webkit-box-shadow:4px 4px  
4px 4px #0077D4; box-shadow:4px 4px 4px  
4px #0077D4 }
```

# Background

The CSS property to change the background color of an element to Hex 0077D4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0077D4 }
```

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

```
.background{ background-color:#0077D4 }
```

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](#).

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