

Converting Colors

Hex(0076D8)

Have a look what the booklet for
Hex(0076D8) contains.

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Color

Hex(0076D8)

Conversions

Conversions Part 1

Format	Color
Hex	0076D8
RGB	0, 118, 216
RGB Percent	0%, 46%, 85%
CMY	1.0000, 0.5373, 0.1529
CMYK	1.00, 0.45, 0.00, 0.15
HSL	207°, 100%, 42%
HSV	207°, 100%, 85%
XYZ	18.8731, 17.9147, 67.4289
YIQ	93.8900, -101.7860, 5.4620

Conversions

Conversions Part 2

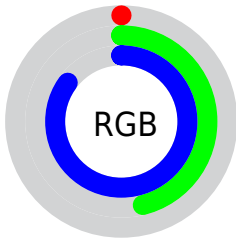
Format	Color
RYB	0, 76, 216
Decimal	30424
CIELab	49.39, 9.84, -57.73
CIELCh	49, 58.561, 279.670
Yxy	17.9147, 0.1811, 0.1719
Android (android.graphics.Color)	4278220504 (0xFF0076D8)
YUV	93.8900, 60.2002, -82.3415
Hunter-Lab	42.3258, 5.5231, -64.8264

Details

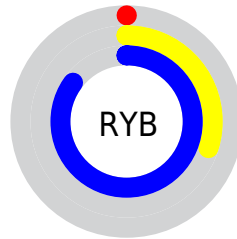
The Hex color **0076D8** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **D86200**, and the grayscale version is **5D5D5D**.

A 20% lighter version of the original color is **66A9FF**, and **0047A0** is the 20% darker color. If you saturate the color by 10%, you get **0076D8**, and if you desaturate by 10%, it is **1680D8**.

Distribution



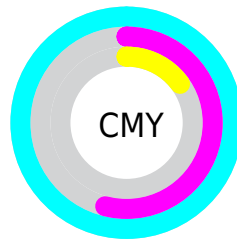
- Red (0%)
- Green (46%)
- Blue (85%)



- Red (0%)
- Yellow (30%)
- Blue (85%)



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (54%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Hex color 0076D8 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 0076D8 by changing the saturation by 10% instead.

 0076D8

 0076D8

FFFFFF

 005EBC

 66A9FF

 0047A0

 86C5FF

 003186

 A6E0FF

 001E6C

 C4FDFF

 000653

 E3FFFF

 00063B

 000224

 00000C

 000000

■ 0076D8

■ 1680D8

■ 2B8AD8

■ 4193D8

■ 569DD8

■ 6CA7D8

■ 82B1D8

■ 97BBD8

■ ADC4D8

■ C2CED8

Harmonies

Analogous

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



0084D3



0076D8



8B61C3

Triad

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



0076D8



C55038



008A51

Complementary

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



0076D8



D86200

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.



478420



0076D8



A8660A

Square

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



0076D8



CE4267



7E7800



008C85

Rectangle

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



0076D8



B051A8



7E7800



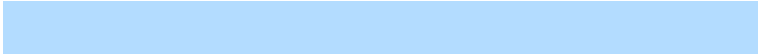
008840

Sweetspot

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



0076D8



B3DCFF



00D861



526B80



000000



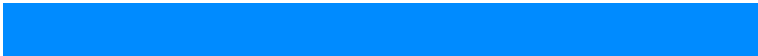
808080

Same Dimension

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



0076D8



008BFF



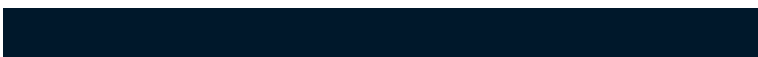
000BD8



60666B



005DAB



00182B

Inverse Universe

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



D80076



FF008B



D8CD00



6B6066



AB005D



2B0018

Previews

White Background



This preview shows how the Hex color 0076D8 looks on a white background.

Color Contrast Check

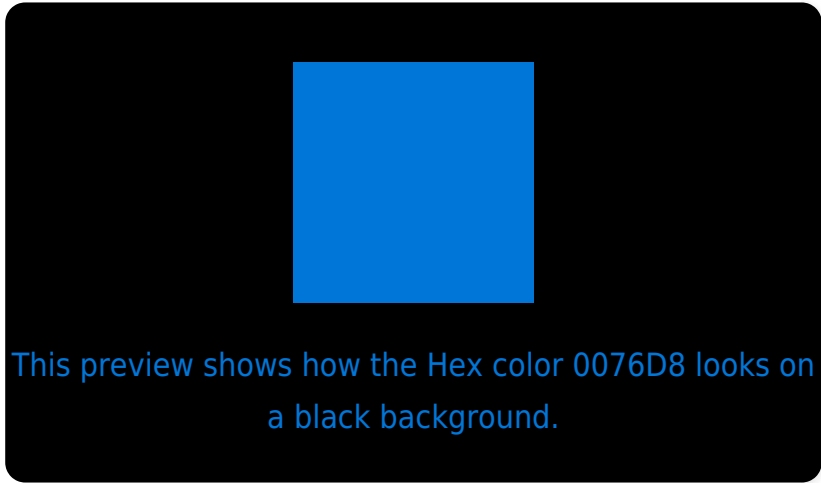
Large Text (above 18pt) WCAG AA ✓ Pass

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

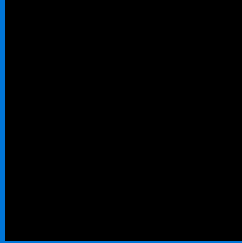
Any Text WCAG AA ✓ Pass

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 0076D8 Background



This preview shows how black text looks on a background with the Hex color 0076D8.



This preview shows how white text looks on a background with the Hex color 0076D8.

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
0076D8

Protanopia
4572D4

Deuteranopia
0077D2



Tritanopia
00828B

Trichromacy



Original Color
0076D8

Protanomaly
2C73D5

Deuteranomaly
0077D4

Tritanomaly
007EA7

Monochromacy



Original Color
0076D8

Achromatopsia
5E5E5E

Achromatomaly
3C678A

CSS Examples

Text

The CSS property to change the color of the text to Hex 0076D8 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 #0076D8 looks like.

```
.text, #text, p{  
    color:#0076D8  
}
```

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 #0076D8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0076D8
}
```

Border

The CSS property to change the border of an element to Hex 0076D8 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
#0076D8 }
```

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

```
.border{ border-color:#0076D8 }
```

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

Here you see how a box with a 4 pixel #0076D8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0076D8; -webkit-box-shadow:4px 4px  
4px 4px #0076D8; box-shadow:4px 4px 4px  
4px #0076D8 }
```

Background

The CSS property to change the background color of an element to Hex 0076D8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0076D8 }
```

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

```
.background{ background-color:#0076D8 }
```

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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