

# Converting Colors

Hex(0068D6)

Have a look what the booklet for  
Hex(0068D6) contains.

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# Color

**Hex(0068D6)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0068D6
RGB	0, 104, 214
RGB Percent	0%, 41%, 84%
CMY	1.0000, 0.5922, 0.1608
CMYK	1.00, 0.51, 0.00, 0.16
HSL	211°, 100%, 42%
HSV	211°, 100%, 84%
XYZ	17.0879, 14.7557, 65.5658
YIQ	85.4440, -97.2940, 12.1620

# Conversions

## Conversions Part 2

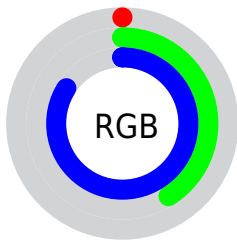
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 70, 214
Decimal	26838
CIELab	45.30, 17.98, -63.20
CIELCh	45, 65.712, 285.883
Yxy	14.7557, 0.1754, 0.1515
Android (android.graphics.Color)	4278216918 (0xFF0068D6)
YUV	85.4440, 63.3781, -74.9344
Hunter-Lab	38.4131, 12.1821, -74.3106

# Details

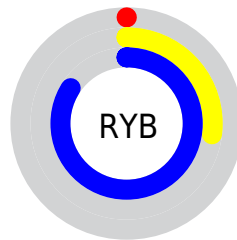
The Hex color **0068D6** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **D66E00**, and the grayscale version is **555555**.

A 20% lighter version of the original color is **669AFF**, and **003A9E** is the 20% darker color. If you saturate the color by 10%, you get **0068D6**, and if you desaturate by 10%, it is **1573D6**.

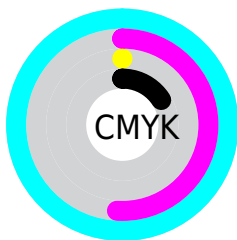
# Distribution



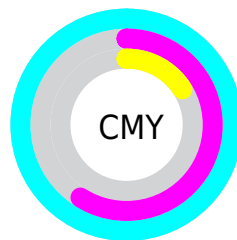
- Red (0%)
- Green (41%)
- Blue (84%)



- Red (0%)
- Yellow (27%)
- Blue (84%)



- Cyan (100%)
- Magenta (51%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (59%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0068D6 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 0068D6 by changing the saturation by 10% instead.



 0068D6

 0068D6

FFFFFF

 0050BA

 669AFF

 003A9E

 86B5FF

 002684

 A5D0FF

 00146A

 C4ECFF

 000B51

 E3FFFF

 000539

 000222

 000008

 000000

 0068D6

 1573D6

 2B7ED6

 4089D6

 5694D6

 6B9FD6

 80AAD6

 96B5D6

 ABC0D6

 C1CBD6

# Harmonies

## Analogous

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



0079D6



0068D6



914DB9

# Triad

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



0068D6



BA441C



00824E

# Complementary

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



0068D6



D66E00

# 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.



1A7C10



0068D6



975F00

# Square

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



0068D6



CA2951



677200



008388

# Rectangle

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



0068D6



B43899



677200



00803B

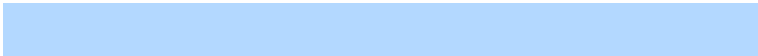


# Sweetspot

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



0068D6



B3D8FF



00D66B



526880



000000



808080



# Same Dimension

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



0068D6



007CFF



0000D6



60666B



0053AB



00152B



# Inverse Universe

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



D60068



FF007C



D6D600



6B6066



AB0053



2B0015



# Previews

## White Background



This preview shows how the Hex color 0068D6 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 0068D6 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

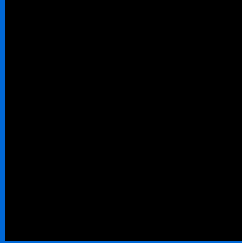
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0068D6 Background



This preview shows how black text looks on a background with the Hex color 0068D6.

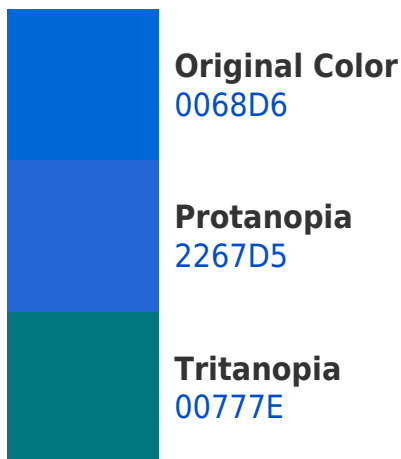


This preview shows how white text looks on a background with the Hex color 0068D6.

# 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**  
0068D6

**Protanomaly**  
1667D5

**Tritanomaly**  
00729E

# Monochromacy



**Original Color**  
0068D6

**Achromatopsia**  
555555

**Achromatomaly**  
365C84

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0068D6 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 #0068D6 looks like.

```
.text, #text, p{  
    color:#0068D6  
}
```

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 #0068D6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0068D6
}
```

## Border

The CSS property to change the border of an element to Hex 0068D6 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
#0068D6 }
```

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

```
.border{ border-color:#0068D6 }
```

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

Here you see how a box with a 4 pixel #0068D6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0068D6; -webkit-box-shadow:4px 4px  
4px 4px #0068D6; box-shadow:4px 4px 4px  
4px #0068D6 }
```

# Background

The CSS property to change the background color of an element to Hex 0068D6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0068D6 }
```

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

```
.background{ background-color:#0068D6 }
```

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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