

# Converting Colors

Hex(0055D4)

Have a look what the booklet for  
Hex(0055D4) contains.

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# Color

**Hex(0055D4)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0055D4
RGB	0, 85, 212
RGB Percent	0%, 33%, 83%
CMY	1.0000, 0.6667, 0.1686
CMYK	1.00, 0.60, 0.00, 0.17
HSL	216°, 100%, 42%
HSV	216°, 100%, 83%
XYZ	15.1322, 11.2505, 63.6614
YIQ	74.0630, -91.4270, 21.4770

# Conversions

## Conversions Part 2

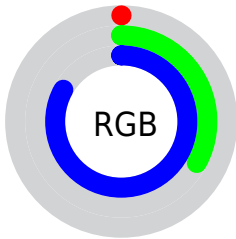
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	0, 61, 212
Decimal	21972
CIE Lab	40.00, 29.62, -70.69
CIE LCh	40, 76.642, 292.733
Yxy	11.2505, 0.1681, 0.1249
Android (android.graphics.Color)	4278212052 (0xFF0055D4)
YUV	74.0630, 68.0029, -64.9533
Hunter-Lab	33.5417, 21.8313, -89.0518

# Details

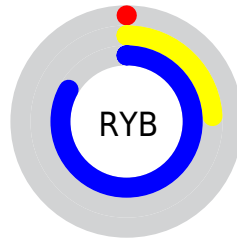
The Hex color **0055D4** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **D47F00**, and the grayscale version is **494949**.

A 20% lighter version of the original color is **6686FF**, and **002A9C** is the 20% darker color. If you saturate the color by 10%, you get **0055D4**, and if you desaturate by 10%, it is **1562D4**.

# Distribution



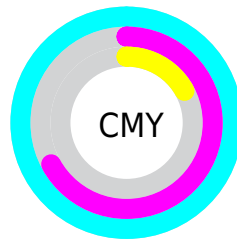
- Red (0%)
- Green (33%)
- Blue (83%)



- Red (0%)
- Yellow (24%)
- Blue (83%)



- Cyan (100%)
- Magenta (60%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (67%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0055D4 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 0055D4 by changing the saturation by 10% instead.



 0055D4

 0055D4

FFFFFF

 003EB8

 6686FF

 002A9C

 87A0FF

 001881

 A6BBFF


 000067

 C5D6FF

 000A4E

 E4F3FF

 000536

 000220

 000004

 000000

■ 0055D4

■ 1562D4

■ 2A6ED4

■ 407BD4

■ 5588D4

■ 6A95D4

■ 7FA1D4

■ 94AED4

■ AABBD4

■ BFC7D4

# Harmonies

## Analogous

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



006BDD



0055D4



972BAB

# Triad

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



0055D4



AC3500



00764C

# Complementary

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



0055D4



D47F00

# 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.



007200



0055D4



805700

# Square

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



0055D4



C50033



466900



00778D

# Rectangle

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



0055D4



B80085



466900



007536



# Sweetspot

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



0055D4



B3D1FF



00D47C



526480



000000



808080



# Same Dimension

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



0055D4



0066FF



1200D4



60656B



0045AB



00112B



# Inverse Universe

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



D40055



FF0066



C2D400



6B6065



AB0045



2B0011



# Previews

## White Background



This preview shows how the Hex color 0055D4 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 0055D4 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

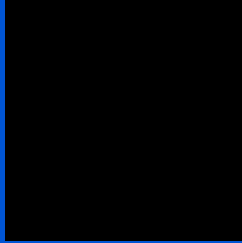
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0055D4 Background



This preview shows how black text looks on a background with the Hex color 0055D4.



This preview shows how white text looks on a background with the Hex color 0055D4.

# 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**  
00686F

# Trichromacy



**Original Color**  
0055D4

**Protanomaly**  
0059C7

**Deuteranomaly**  
005DB5

**Tritanomaly**  
006194

# Monochromacy



**Original Color**  
0055D4

**Achromatopsia**  
4A4A4A

**Achromatomaly**  
2F4E7C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0055D4 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 #0055D4 looks like.

```
.text, #text, p{  
    color:#0055D4  
}
```

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 #0055D4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0055D4
}
```

## Border

The CSS property to change the border of an element to Hex 0055D4 is called "border". The border property can be set on classes, ids or directly on the HTML element.

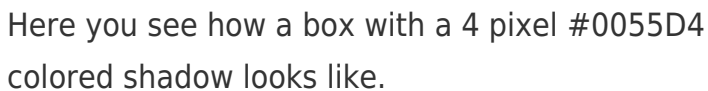
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#0055D4 }
```

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

```
.border{ border-color:#0055D4 }
```

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



Here you see how a box with a 4 pixel #0055D4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0055D4; -webkit-box-shadow:4px 4px  
4px 4px #0055D4; box-shadow:4px 4px 4px  
4px #0055D4 }
```

# Background

The CSS property to change the background color of an element to Hex 0055D4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0055D4 }
```

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

```
.background{ background-color:#0055D4 }
```

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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