

Converting Colors

Hex(0075B5)

Have a look what the booklet for
Hex(0075B5) contains.

Hex(0075B5)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(0075B5)

Conversions

Conversions Part 1

Format	Color
Hex	0075B5
RGB	0, 117, 181
RGB Percent	0%, 46%, 71%
CMY	1.0000, 0.5412, 0.2902
CMYK	1.00, 0.35, 0.00, 0.29
HSL	201°, 100%, 35%
HSV	201°, 100%, 71%
XYZ	14.7018, 16.0588, 46.0408
YIQ	89.3130, -90.2760, -4.9000

Conversions

Conversions Part 2

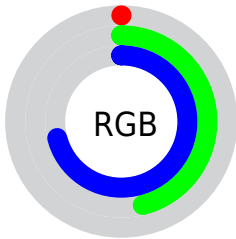
Format	Color
RYB	0, 71, 181
Decimal	30133
CIELab	47.05, -3.37, -41.41
CIELCh	47, 41.543, 265.340
Yxy	16.0588, 0.1914, 0.2091
Android (android.graphics.Color)	4278220213 (0xFF0075B5)
YUV	89.3130, 45.2017, -78.3275
Hunter-Lab	40.0734, -4.6419, -40.0677

Details

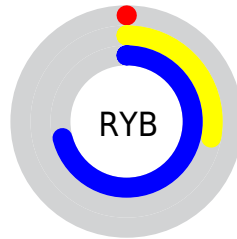
The Hex color **0075B5** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **B54000**, and the grayscale version is **595959**.

A 20% lighter version of the original color is **5CA9ED**, and **004580** is the 20% darker color. If you saturate the color by 10%, you get **0075B5**, and if you desaturate by 10%, it is **127BB5**.

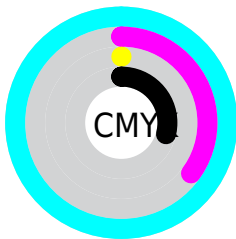
Distribution



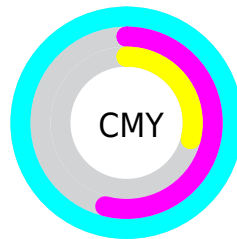
- Red (0%)
- Green (46%)
- Blue (71%)



- Red (0%)
- Yellow (28%)
- Blue (71%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (54%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Hex color 0075B5 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 0075B5 by changing the saturation by 10% instead.

 0075B5

 0075B5


FFFFFF

 005D9A

 5CA9ED

 004580

 7BC4FF

 002F66

 99E0FF

 001B4E

 B7FCFF

 000537

 D5FFFF

 000220

 F3FFFF

 000004

 000000

 0075B5

 127BB5

 2482B5

 3688B5

 488FB5

 5B95B5

 6D9BB5

 7FA2B5

 91A8B5

 A3AFB5

Harmonies

Analogous

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



007DA8



0075B5



6869AF

Triad

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



0075B5



AF5354



3A7D46

Complementary

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



0075B5



B54000

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.



66762D



0075B5



A25F37

Square

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



0075B5



AC5177



886C27



008169

Rectangle

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



0075B5



895FA1



886C27



4A7B3C

Sweetspot

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



0075B5



A4D2EB



00B53F



4B6675



F5F5F5



757575

Same Dimension

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



0075B5



0098EB



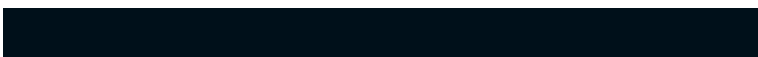
001BB5



505659



006399



00101A

Inverse Universe

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



B50075



EB0098



B59A00



595056



990063



1A0010

Previews

White Background



This preview shows how the Hex color 0075B5 looks on a white background.

Color Contrast Check

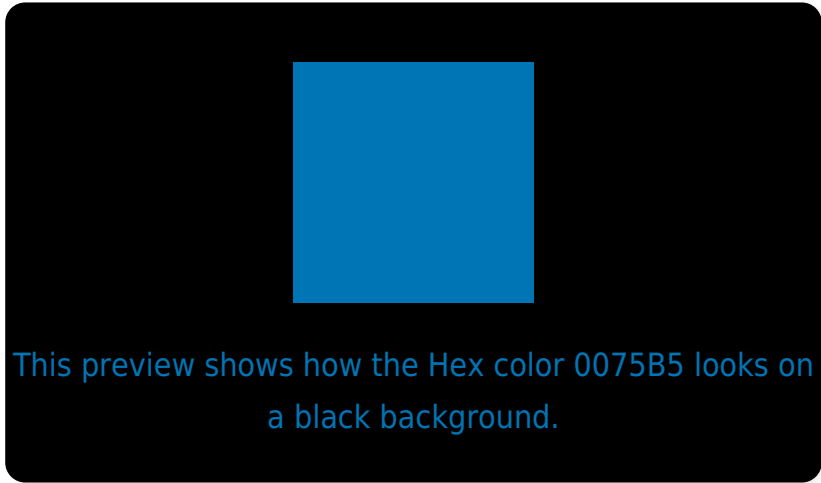
Large Text (above 18pt) WCAG AA ✓ Pass

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

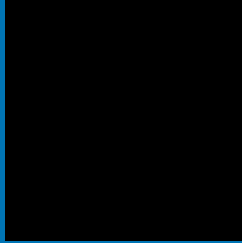
Any Text WCAG AA × Fail

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 0075B5 Background



This preview shows how black text looks on a background with the Hex color 0075B5.

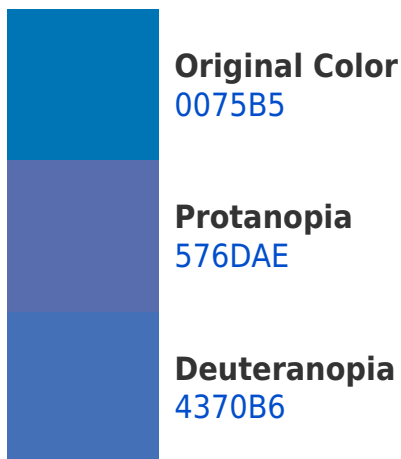


This preview shows how white text looks on a background with the Hex color 0075B5.

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](#).

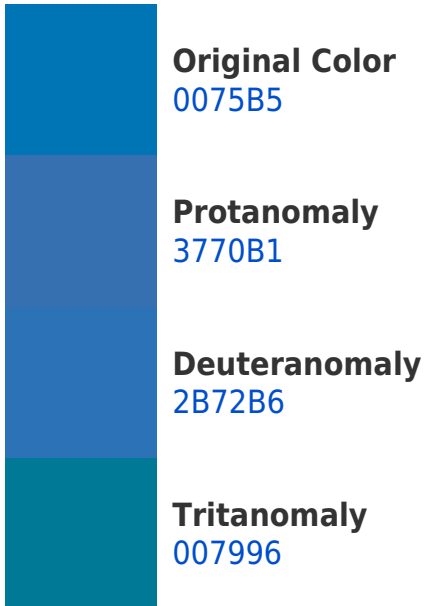
Dichromacy





Tritanopia
007C85

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 0075B5 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 #0075B5 looks like.

```
.text, #text, p{  
    color:#0075B5  
}
```

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 #0075B5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0075B5
}
```

Border

The CSS property to change the border of an element to Hex 0075B5 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
#0075B5 }
```

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

```
.border{ border-color:#0075B5 }
```

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

Here you see how a box with a 4 pixel #0075B5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0075B5; -webkit-box-shadow:4px 4px  
4px 4px #0075B5; box-shadow:4px 4px 4px  
4px #0075B5 }
```

Background

The CSS property to change the background color of an element to Hex 0075B5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0075B5 }
```

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

```
.background{ background-color:#0075B5 }
```

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