

Converting Colors

Hex(0070BD)

Have a look what the booklet for
Hex(0070BD) contains.

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Color

Hex(0070BD)

Conversions

Conversions Part 1

Format	Color
Hex	0070BD
RGB	0, 112, 189
RGB Percent	0%, 44%, 74%
CMY	1.0000, 0.5608, 0.2588
CMYK	1.00, 0.41, 0.00, 0.26
HSL	204°, 100%, 37%
HSV	204°, 100%, 74%
XYZ	14.9795, 15.2625, 50.3006
YIQ	87.2900, -91.4690, 0.2030

Conversions

Conversions Part 2

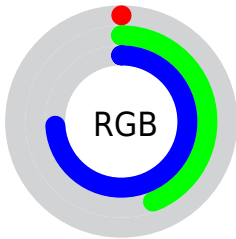
Format	Color
RYB	0, 70, 189
Decimal	28861
CIELab	45.99, 2.87, -47.73
CIELCh	46, 47.813, 273.445
Yxy	15.2625, 0.1860, 0.1895
Android (android.graphics.Color)	4278218941 (0xFF0070BD)
YUV	87.2900, 50.1430, -76.5533
Hunter-Lab	39.0672, 0.0744, -48.9912

Details

The Hex color **0070BD** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **BD4D00**, and the grayscale version is **575757**.

A 20% lighter version of the original color is **5EA3F6**, and **004187** is the 20% darker color. If you saturate the color by 10%, you get **0070BD**, and if you desaturate by 10%, it is **1378BD**.

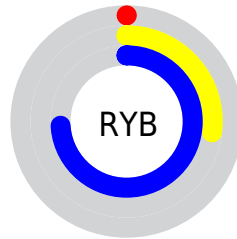
Distribution



Red (0%)

Green (44%)

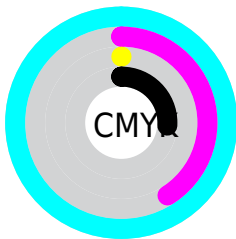
Blue (74%)



Red (0%)

Yellow (27%)

Blue (74%)

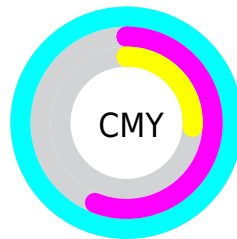


Cyan (100%)

Magenta (41%)

Yellow (0%)

Black (26%)



Cyan (100%)

Magenta (56%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Hex color 0070BD 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 0070BD by changing the saturation by 10% instead.

0070BD

0070BD

FFFFFF

0058A2

5EA3F6

004187

7EBEFF

002C6D

9CDAFF

001854

BAF6FF

00063D

D8FFFF

000226

F7FFFF

00010F

000000

0070BD

■ 1378BD

■ 267FBD

■ 3987BD

■ 4C8FBD

■ 5F96BD

■ 719EBD

■ 84A6BD

■ 97AEBD

■ AAB5BD

Harmonies

Analogous

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



007AB4



0070BD



7460B0

Triad

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



0070BD



B24E43



057D47

Complementary

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



0070BD



BD4D00

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.



547724



0070BD



9E5E23

Square

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



0070BD



B4476A



7D6C13



008070

Rectangle

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



0070BD



95559D



7D6C13



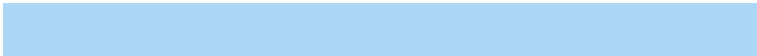
2E7C3B

Sweetspot

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



0070BD



ABD7F5



00BD4C



4E687A



FAFAFA



7A7A7A

Same Dimension

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



0070BD



0091F5



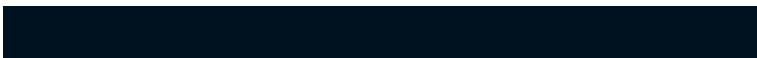
0013BD



555B5E



005E9E



00121F

Inverse Universe

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



BD0070



F50091



BDAA00



5E555B



9E005E



1F0012

Previews

White Background



This preview shows how the Hex color 0070BD looks on a white background.

Color Contrast Check

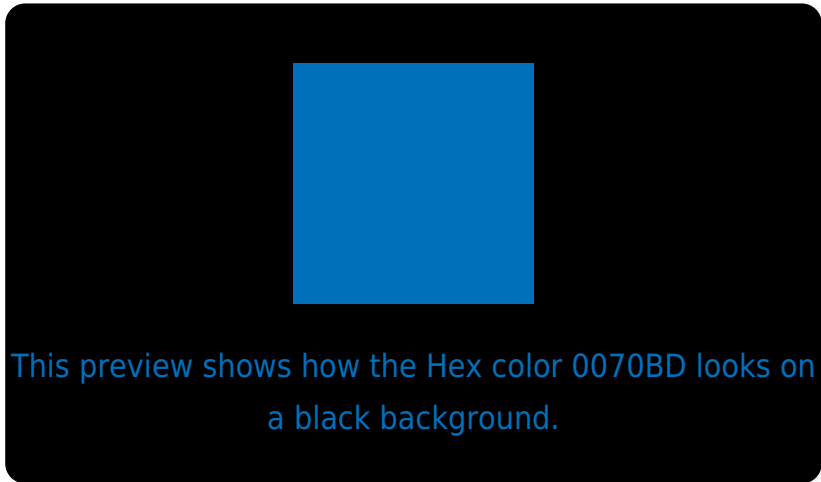
Large Text (above 18pt) WCAG AA ✓ Pass

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

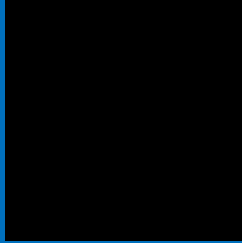
Any Text WCAG AA × Fail

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 0070BD Background



This preview shows how black text looks on a background with the Hex color 0070BD.

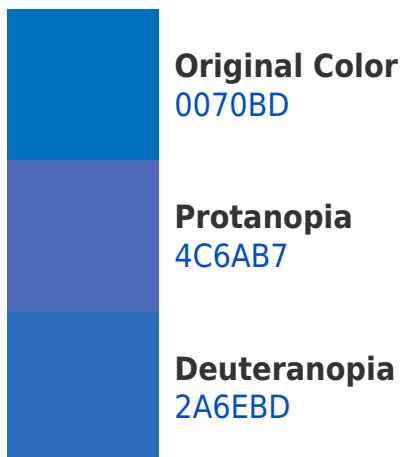


This preview shows how white text looks on a background with the Hex color 0070BD.

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](#).

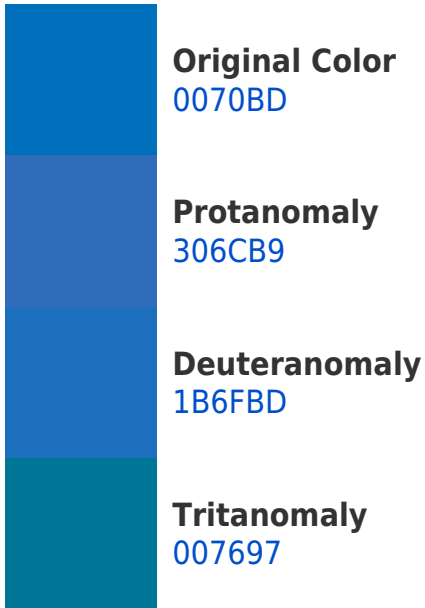
Dichromacy





Tritanopia
007981

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 0070BD 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 #0070BD looks like.

```
.text, #text, p{  
    color:#0070BD  
}
```

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 #0070BD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0070BD
}
```

Border

The CSS property to change the border of an element to Hex 0070BD is called "border". The border property can be set on classes, ids or directly on the HTML element.

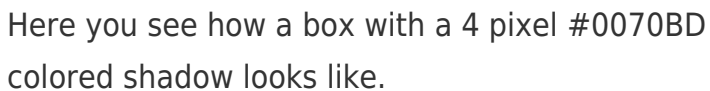
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#0070BD }
```

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

```
.border{ border-color:#0070BD }
```

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



Here you see how a box with a 4 pixel #0070BD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0070BD; -webkit-box-shadow:4px 4px  
4px 4px #0070BD; box-shadow:4px 4px 4px  
4px #0070BD }
```

Background

The CSS property to change the background color of an element to Hex 0070BD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0070BD }
```

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

```
.background{ background-color:#0070BD }
```

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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