

# Converting Colors

Hex(0077CB)

Have a look what the booklet for  
Hex(0077CB) contains.

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**Color**

**Hex(0077CB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0077CB
RGB	0, 119, 203
RGB Percent	0%, 47%, 80%
CMY	1.0000, 0.5333, 0.2039
CMYK	1.00, 0.41, 0.00, 0.20
HSL	205°, 100%, 40%
HSV	205°, 100%, 80%
XYZ	17.3763, 17.5054, 58.9630
YIQ	92.9950, -97.8880, 0.8960

# Conversions

## Conversions Part 2

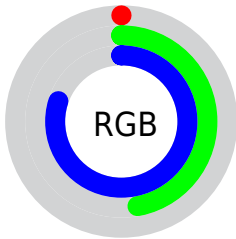
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 75, 203
Decimal	30667
CIELab	48.89, 4.08, -51.14
CIELCh	49, 51.300, 274.556
Yxy	17.5054, 0.1852, 0.1865
Android (android.graphics.Color)	4278220747 (0xFF0077CB)
YUV	92.9950, 54.2325, -81.5566
Hunter-Lab	41.8395, 0.9135, -54.2677

# Details

The Hex color **0077CB** 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 **CB5400**, and the grayscale version is **5D5D5D**.

A 20% lighter version of the original color is **62ABFF**, and **004794** is the 20% darker color. If you saturate the color by 10%, you get **0077CB**, and if you desaturate by 10%, it is **147FCB**.

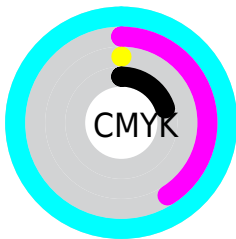
# Distribution



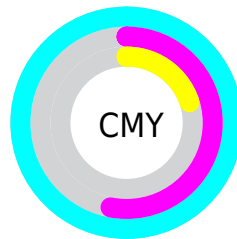
- Red (0%)
- Green (47%)
- Blue (80%)



- Red (0%)
- Yellow (29%)
- Blue (80%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (53%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0077CB 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 0077CB by changing the saturation by 10% instead.



 0077CB

 0077CB

FFFFFF

 005FAF

 62ABFF

 004794

 82C6FF

 00327A

 A1E2FF

 001E61

 BFFEFF

 000848

 DEFFFF

 000431

FDFFFF

 00011B


 000000

 0077CB

 147FCB

 2988CB

 3D90CB

 5199CB

 66A1CB

 7AA9CB

 8EB2CB

 A2BACB

 B7C3CB

# Harmonies

## Analogous

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



0082C2



0077CB



7E66BC

# Triad

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



0077CB



BE5345



00864D

# Complementary

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



0077CB



CB5400

# 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.



578026



0077CB



A76423

# Square

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



0077CB



C24A6F



847411



00897A

# Rectangle

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



0077CB



A159A7



847411



2C843F

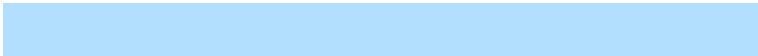


# Sweetspot

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



0077CB



B3DFFF



00CB51



526D80



000000



808080

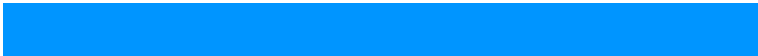


# Same Dimension

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



0077CB



0095FF



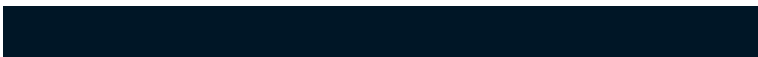
0014CB



5C6266



0061A6



001626



# Inverse Universe

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



CB0077



FF0095



CBB700



665C62



A60061



260016



# Previews

## White Background



This preview shows how the Hex color 0077CB looks on a white background.

## Color Contrast Check

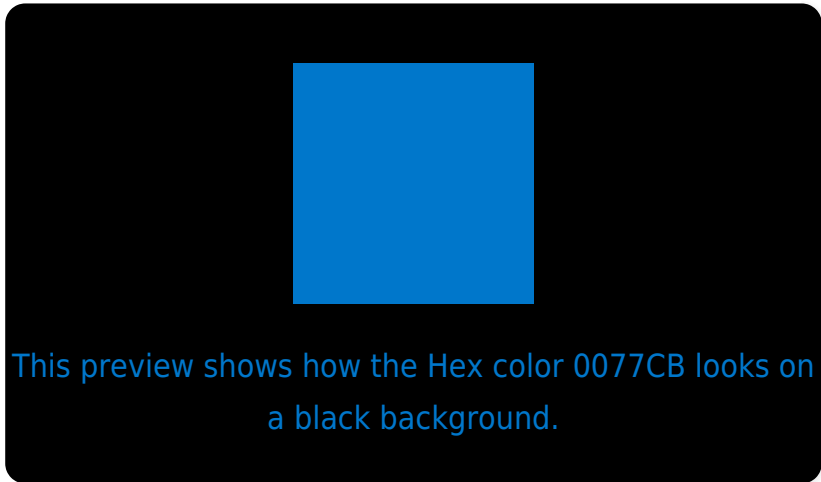
Large Text (above 18pt) WCAG AA ✓ Pass

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

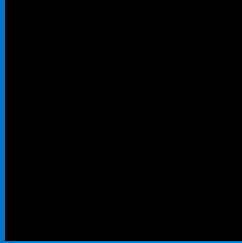
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 0077CB Background



This preview shows how black text looks on a background with the Hex color 0077CB.

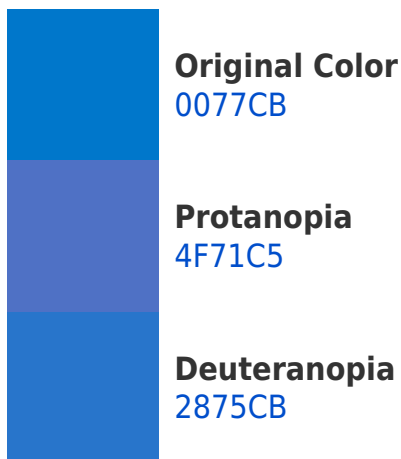


This preview shows how white text looks on a background with the Hex color 0077CB.

# 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](#).

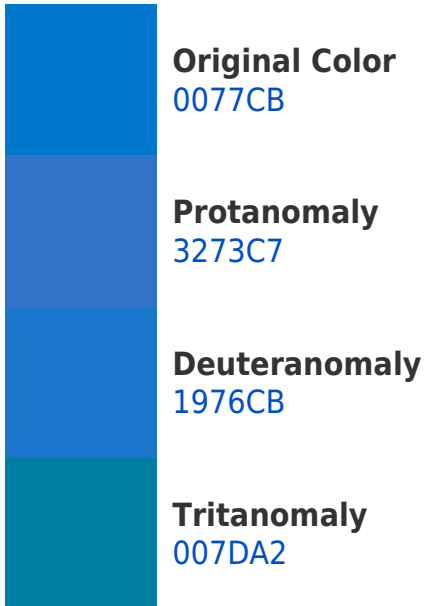
## Dichromacy



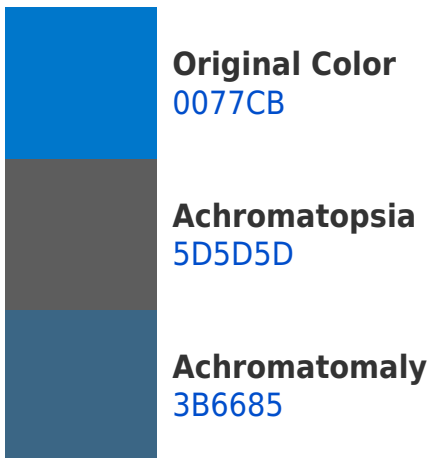


**Tritanopia**  
00818A

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0077CB 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 #0077CB looks like.

```
.text, #text, p{  
    color:#0077CB  
}
```

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 #0077CB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0077CB
}
```

## Border

The CSS property to change the border of an element to Hex 0077CB 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
#0077CB }
```

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

```
.border{ border-color:#0077CB }
```

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

Here you see how a box with a 4 pixel #0077CB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0077CB; -webkit-box-shadow:4px 4px  
4px 4px #0077CB; box-shadow:4px 4px 4px  
4px #0077CB }
```

# Background

The CSS property to change the background color of an element to Hex 0077CB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0077CB }
```

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

```
.background{ background-color:#0077CB }
```

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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