

Converting Colors

Hex(0077B4)

Have a look what the booklet for
Hex(0077B4) contains.

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Color

Hex(0077B4)

Conversions

Conversions Part 1

Format	Color
Hex	0077B4
RGB	0, 119, 180
RGB Percent	0%, 47%, 71%
CMY	1.0000, 0.5333, 0.2941
CMYK	1.00, 0.34, 0.00, 0.29
HSL	200°, 100%, 35%
HSV	200°, 100%, 71%
XYZ	14.8350, 16.4889, 45.5808
YIQ	90.3730, -90.5050, -6.2570

Conversions

Conversions Part 2

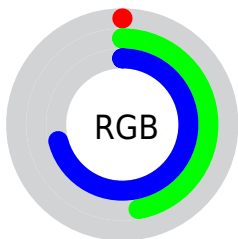
Format	Color
RYB	0, 72, 180
Decimal	30644
CIELab	47.61, -4.97, -39.94
CIELCh	48, 40.250, 262.905
Yxy	16.4889, 0.1929, 0.2144
Android (android.graphics.Color)	4278220724 (0xFF0077B4)
YUV	90.3730, 44.1861, -79.2571
Hunter-Lab	40.6066, -5.8490, -38.1283

Details

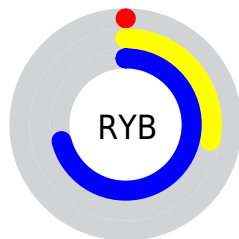
The Hex color **0077B4** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **B43D00**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **5CABEC**, and **00477F** is the 20% darker color. If you saturate the color by 10%, you get **0077B4**, and if you desaturate by 10%, it is **127DB4**.

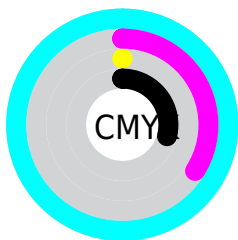
Distribution



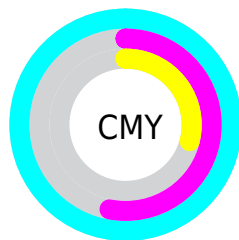
- Red (0%)
- Green (47%)
- Blue (71%)



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



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (53%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Hex color 0077B4 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 0077B4 by changing the saturation by 10% instead.

 0077B4

 0077B4

FFFFFF

 005E99

 5CABEC

 00477F

 7BC6FF

 003165

 99E2FF

 001D4D

 B7FFFF

 000536

 D5FFFF

 000220

 F3FFFF

 000003

 000000

 0077B4

 127DB4

 2483B4

 3689B4

 488FB4

 5A96B4

 6C9CB4

 7EA2B4

 90A8B4

 A2AEB4

Harmonies

Analogous

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



007EA6



0077B4



666BAF

Triad

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



0077B4



B05558



427E46

Complementary

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



0077B4



B43D00

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.



6B772F



0077B4



A4603C

Square

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



0077B4



AB547A



8B6C2B



008167

Rectangle

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



0077B4



8662A3



8B6C2B



517C3D

Sweetspot

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



0077B4



A4D3EB



00B43C



4B6775



F5F5F5



757575

Same Dimension

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



0077B4



009BEB



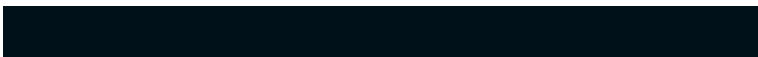
001EB4



505659



006599



00111A

Inverse Universe

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



B40077



EB009B



B49600



595056



990065



1A0011

Previews

White Background



This preview shows how the Hex color 0077B4 looks on a white background.

Color Contrast Check

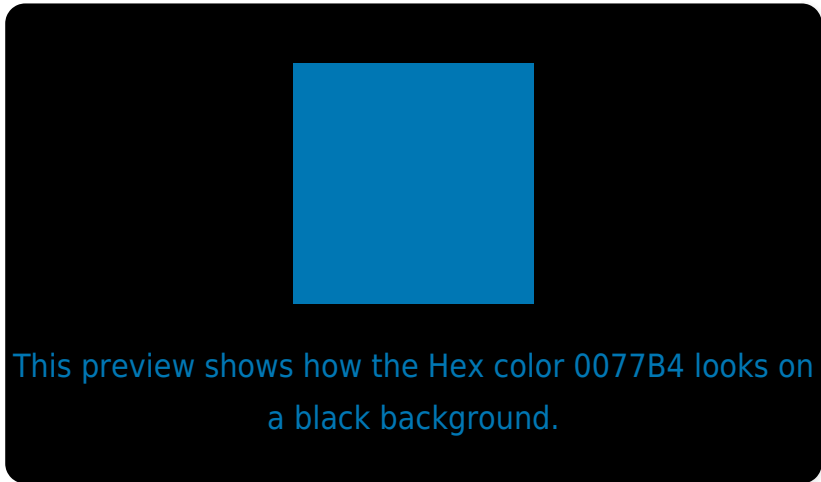
Large Text (above 18pt) WCAG AA ✓ Pass

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

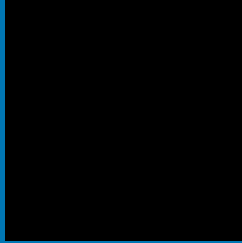
Any Text WCAG AA × Fail

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 0077B4 Background



This preview shows how black text looks on a background with the Hex color 0077B4.

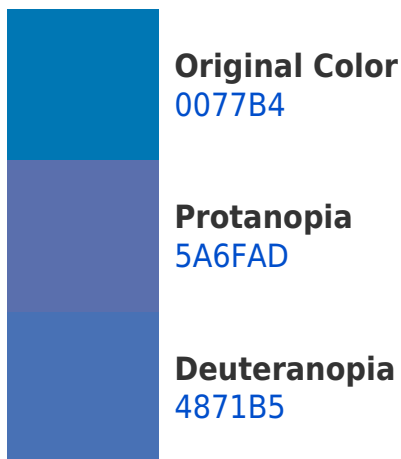


This preview shows how white text looks on a background with the Hex color 0077B4.

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
007D86

Trichromacy



Original Color
0077B4

Protanomaly
3972B0

Deuteranomaly
2E73B5

Tritanomaly
007B97

Monochromacy



Original Color
0077B4

Achromatopsia
5A5A5A

Achromatomaly
39657B

CSS Examples

Text

The CSS property to change the color of the text to Hex 0077B4 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 #0077B4 looks like.

```
.text, #text, p{  
    color:#0077B4  
}
```

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 #0077B4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0077B4
}
```

Border

The CSS property to change the border of an element to Hex 0077B4 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
#0077B4 }
```

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

```
.border{ border-color:#0077B4 }
```

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

Here you see how a box with a 4 pixel #0077B4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0077B4; -webkit-box-shadow:4px 4px  
4px 4px #0077B4; box-shadow:4px 4px 4px  
4px #0077B4 }
```

Background

The CSS property to change the background color of an element to Hex 0077B4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0077B4 }
```

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

```
.background{ background-color:#0077B4 }
```

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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