

Converting Colors

Hex(0077AC)

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

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Color

Hex(0077AC)

Conversions

Conversions Part 1

Format	Color
Hex	0077AC
RGB	0, 119, 172
RGB Percent	0%, 47%, 67%
CMY	1.0000, 0.5333, 0.3255
CMYK	1.00, 0.31, 0.00, 0.33
HSL	198°, 100%, 34%
HSV	198°, 100%, 67%
XYZ	14.0432, 16.1722, 41.4111
YIQ	89.4610, -87.9370, -8.7450

Conversions

Conversions Part 2

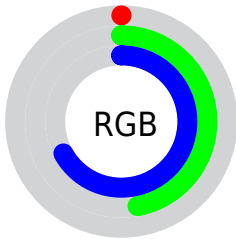
Format	Color
RYB	0, 70, 172
Decimal	30636
CIELab	47.20, -8.08, -35.94
CIELCh	47, 36.837, 257.326
Yxy	16.1722, 0.1961, 0.2258
Android (android.graphics.Color)	4278220716 (0xFF0077AC)
YUV	89.4610, 40.6917, -78.4573
Hunter-Lab	40.2147, -8.0424, -32.9037

Details

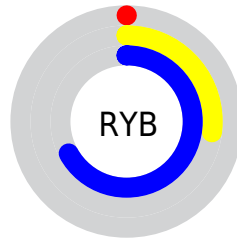
The Hex color **0077AC** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **AC3500**, and the grayscale version is **595959**.

A 20% lighter version of the original color is **5AABE4**, and **004777** is the 20% darker color. If you saturate the color by 10%, you get **0077AC**, and if you desaturate by 10%, it is **117CAC**.

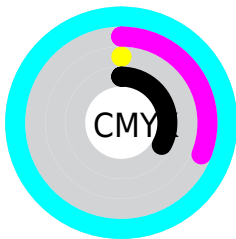
Distribution



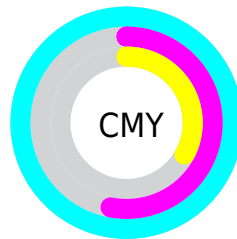
- Red (0%)
- Green (47%)
- Blue (67%)



- Red (0%)
- Yellow (27%)
- Blue (67%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (53%)
- Yellow (33%)

Brightness & Saturation Gradients

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

0077AC

0077AC

FFFFFF

005E91

5AABE4

004777

79C6FF

00315E

96E2FF

001D46

B4FFFF

000430

D2FFFF

00011A

F0FFFF

000000

0077AC

117CAC

■ 2282AC

■ 3487AC

■ 458CAC

■ 5692AC

■ 6797AC

■ 789CAC

■ 8AA1AC

■ 9BA7AC

Harmonies

Analogous

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



007D9D



0077AC



5D6DAB

Triad

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



0077AC



AA575F



4D7B44

Complementary

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



0077AC



AC3500

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.



717432



0077AC



A25E44

Square

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



0077AC



A3577E



8E6A32



157F61

Rectangle

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



0077AC



7C65A1



8E6A32



5A793D

Sweetspot

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



0077AC



9DCCE0



00AC34



486470



F0F0F0



707070

Same Dimension

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



0077AC



009BE0



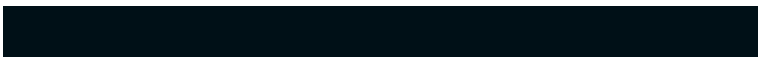
0022AC



4E5457



006896



001017

Inverse Universe

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



AC0077



E0009B



AC8A00



574E54



960068



170010

Previews

White Background



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

Color Contrast Check

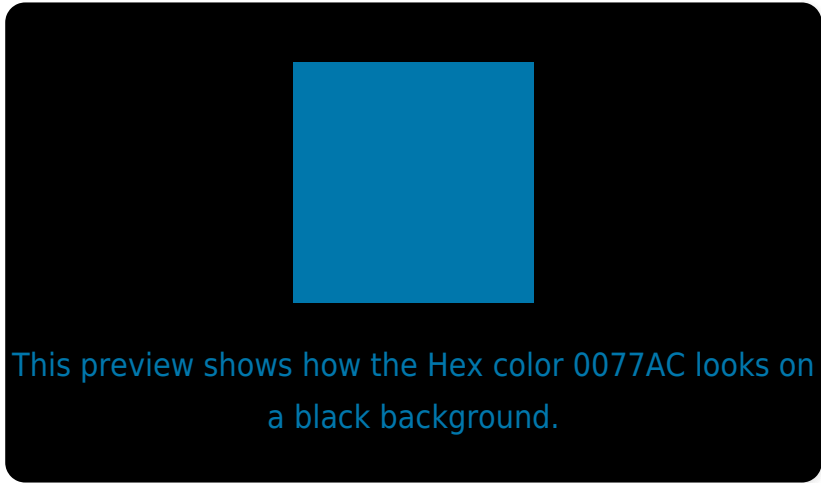
Large Text (above 18pt) WCAG AA ✓ Pass

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

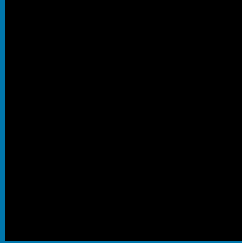
Any Text WCAG AA × Fail

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 0077AC Background



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

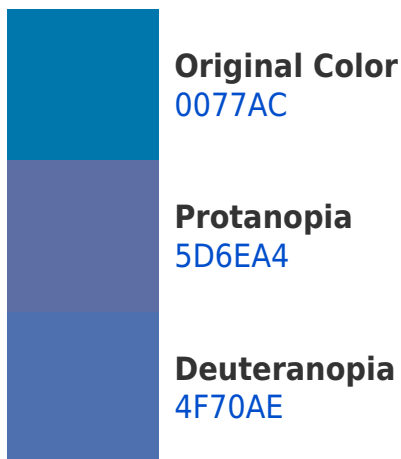


This preview shows how white text looks on a background with the Hex color 0077AC.

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



Trichromacy



Original Color
0077AC

Protanomaly
3B71A7

Deuteranomaly
3273AD

Monochromacy



Original Color
0077AC

Achromatopsia
595959

Achromatomaly
396477

CSS Examples

Text

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

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

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 #0077AC colored shadow looks like.

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

Border

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

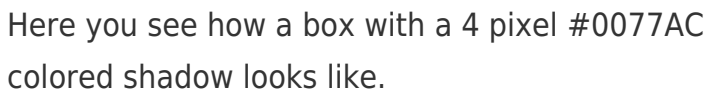
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#0077AC }
```

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

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

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



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

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

Background

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

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

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

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

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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