

Converting Colors

Hex(0070AE)

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

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Color

Hex(0070AE)

Conversions

Conversions Part 1

Format	Color
Hex	0070AE
RGB	0, 112, 174
RGB Percent	0%, 44%, 68%
CMY	1.0000, 0.5608, 0.3176
CMYK	1.00, 0.36, 0.00, 0.32
HSL	201°, 100%, 34%
HSV	201°, 100%, 68%
XYZ	13.4342, 14.6443, 42.1630
YIQ	85.5800, -86.6540, -4.4620

Conversions

Conversions Part 2

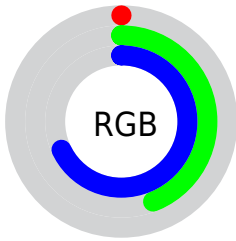
Format	Color
RYB	0, 68, 174
Decimal	28846
CIELab	45.14, -3.10, -40.36
CIELCh	45, 40.476, 265.613
Yxy	14.6443, 0.1913, 0.2085
Android (android.graphics.Color)	4278218926 (0xFF0070AE)
YUV	85.5800, 43.5911, -75.0537
Hunter-Lab	38.2679, -4.3055, -38.5372

Details

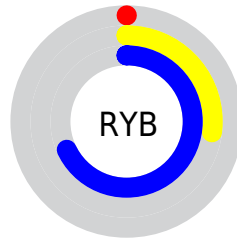
The Hex color **0070AE** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **AE3E00**, and the grayscale version is **555555**.

A 20% lighter version of the original color is **5AA3E6**, and **004179** is the 20% darker color. If you saturate the color by 10%, you get **0070AE**, and if you desaturate by 10%, it is **1176AE**.

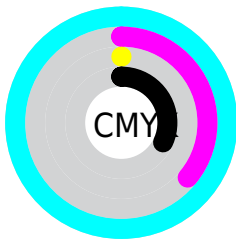
Distribution



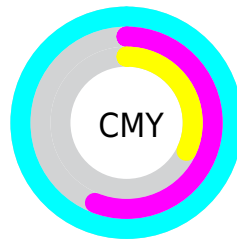
- Red (0%)
- Green (44%)
- Blue (68%)



- Red (0%)
- Yellow (27%)
- Blue (68%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (32%)



- Cyan (100%)
- Magenta (56%)
- Yellow (32%)

Brightness & Saturation Gradients

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

0070AE

0070AE

FFFFFF

005893

5AA3E6

004179

79BEFF

002B60

97DAFF

001748

B4F7FF

000431

D2FFFF

00011B

F0FFFF

000000

0070AE

1176AE

■ 237CAE

■ 3483AE

■ 4689AE

■ 578FAE

■ 6895AE

■ 7A9BAE

■ 8BA2AE

■ 9DA8AE

Harmonies

Analogous

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



0078A2



0070AE



6464A8

Triad

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



0070AE



A95050



367843

Complementary

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



0070AE



AE3E00

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.



61722A



0070AE



9B5B34

Square

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



0070AE



A64D71



826724



007B65

Rectangle

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



0070AE



845B9A



826724



467639

Sweetspot

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



0070AE



9FCBE3



00AE3D



496473



F2F2F2



737373

Same Dimension

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



0070AE



0092E3



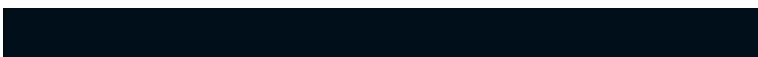
001AAE



4E5457



006196



000F17

Inverse Universe

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



AE0070



E30092



AE9400



574E54



960061



17000F

Previews

White Background



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

Color Contrast Check

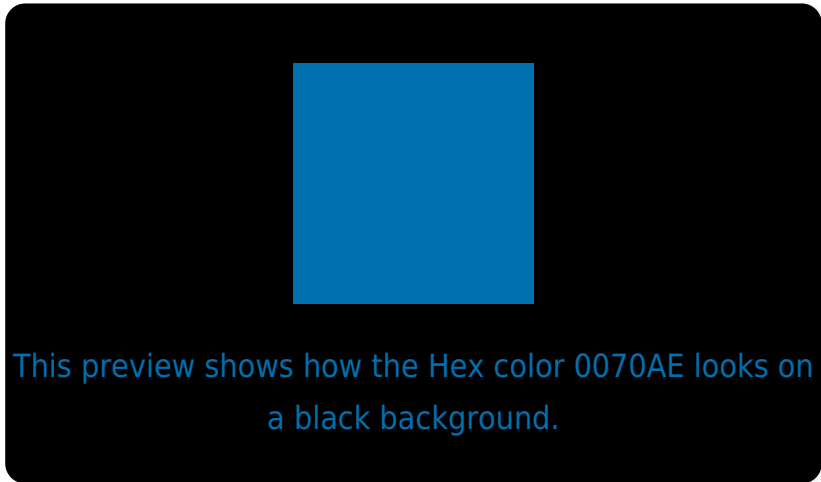
Large Text (above 18pt) WCAG AA ✓ Pass

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

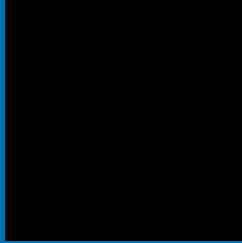
Any Text WCAG AA × Fail

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 0070AE Background



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

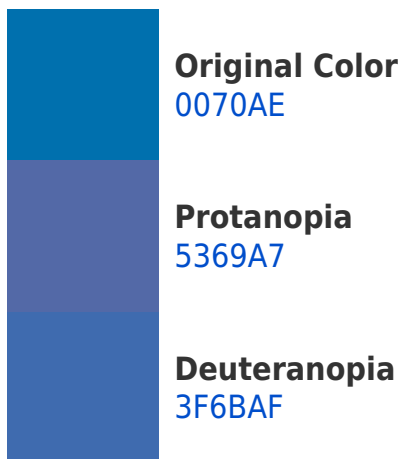


This preview shows how white text looks on a background with the Hex color 0070AE.

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](#).

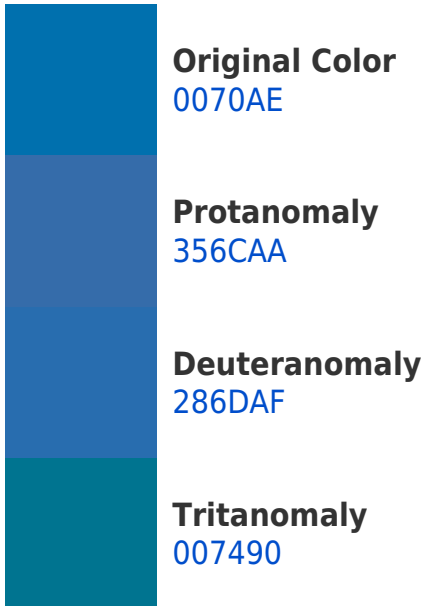
Dichromacy





Tritanopia
00777F

Trichromacy



Monochromacy



CSS Examples

Text

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

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

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 #0070AE colored shadow looks like.

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

Border

The CSS property to change the border of an element to Hex 0070AE 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
#0070AE }
```

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

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

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

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

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

Background

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

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

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

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

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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