

Converting Colors

Hex(0170AB)

Have a look what the booklet for
Hex(0170AB) contains.

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Color

Hex(0170AB)

Conversions

Conversions Part 1

Format	Color
Hex	0170AB
RGB	1, 112, 171
RGB Percent	0%, 44%, 67%
CMY	0.9961, 0.5608, 0.3294
CMYK	0.99, 0.35, 0.00, 0.33
HSL	201°, 99%, 34%
HSV	201°, 99%, 67%
XYZ	13.1574, 14.5351, 40.6402
YIQ	85.5370, -85.0950, -5.1830

Conversions

Conversions Part 2

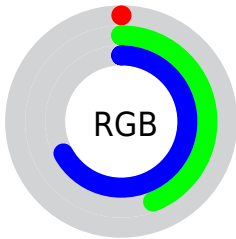
Format	Color
R_{YB}	1, 68, 171
Decimal	94379
CIE _{Lab}	44.99, -4.24, -38.84
CIE _{LCh}	45, 39.074, 263.770
Yxy	14.5351, 0.1925, 0.2127
Android (android.graphics.Color)	4278284459 (0xFF0170AB)
YUV	85.5370, 42.1333, -74.1389
Hunter-Lab	38.1249, -5.1160, -36.5142

Details

The Hex color **0170AB** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **AB3C01**, and the grayscale version is **555555**.

A 20% lighter version of the original color is **5AA3E3**, and **004176** is the 20% darker color. If you saturate the color by 10%, you get **0070AB**, and if you desaturate by 10%, it is **1276AB**.

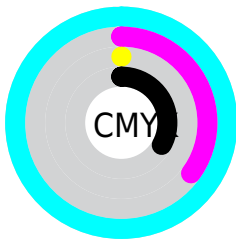
Distribution



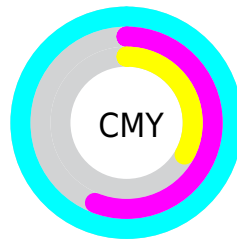
- Red (0%)
- Green (44%)
- Blue (67%)



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



- Cyan (99%)
- Magenta (35%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (56%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Hex color 0170AB 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 0170AB by changing the saturation by 10% instead.

0170AB

0170AB

FFFFFF

005890

5AA3E3

004176

78BEFF

002B5D

96DAFF

001745

B3F7FF

00042E

D1FFFF

000119

FFFFFF

000000

0170AB

0170AB

0070AB

1276AB

■ 237CAB

■ 3482AB

■ 4588AB

■ 568EAB

■ 6894AB

■ 799AAB

■ 8A9FAB

■ 9BA5AB

Harmonies

Analogous

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



00779E



0170AB



6165A6

Triad

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



0170AB



A75052



3B7742

Complementary

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



0170AB



AB3C01

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.



63702C



0170AB



9B5A37

Square

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



0170AB



A34F73



836627



007A62

Rectangle

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



0170AB



805C9A



836627



4A7539

Sweetspot

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



0170AB



9BC7DE



01AB3A



486270



F0F0F0



707070

Same Dimension

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



0170AB



0091DE



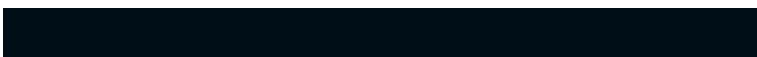
011DAB



4E5457



006296



000F17

Inverse Universe

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



AB0170



DE0091



AB8F01



574E54



960062



17000F

Previews

White Background



This preview shows how the Hex color 0170AB looks on a white background.

Color Contrast Check

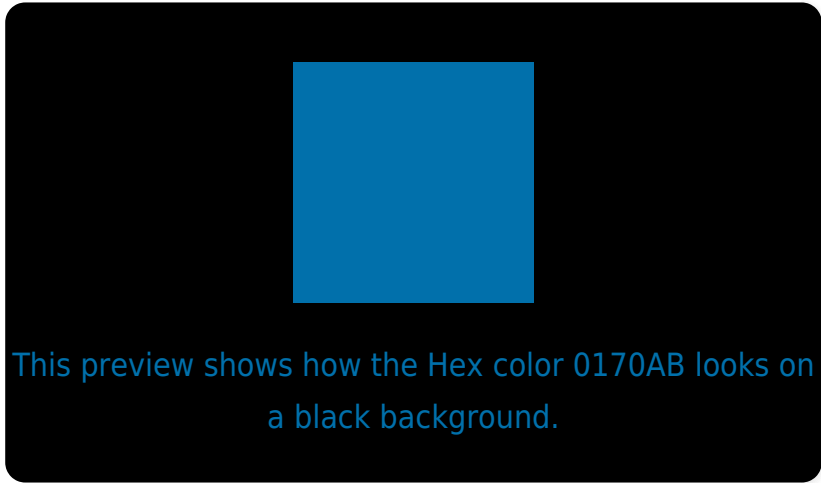
Large Text (above 18pt) WCAG AA ✓ Pass

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

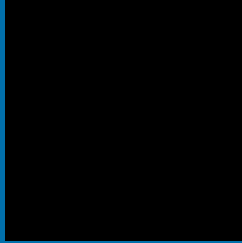
Any Text WCAG AA × Fail

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 0170AB Background



This preview shows how black text looks on a background with the Hex color 0170AB.

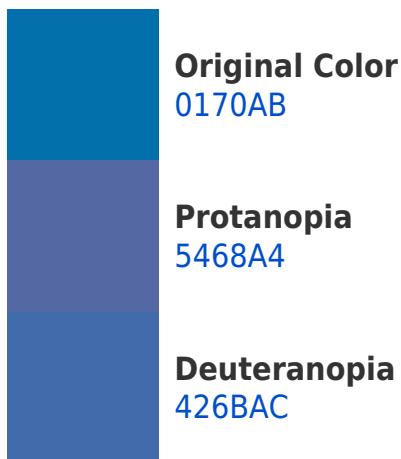


This preview shows how white text looks on a background with the Hex color 0170AB.

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](#).

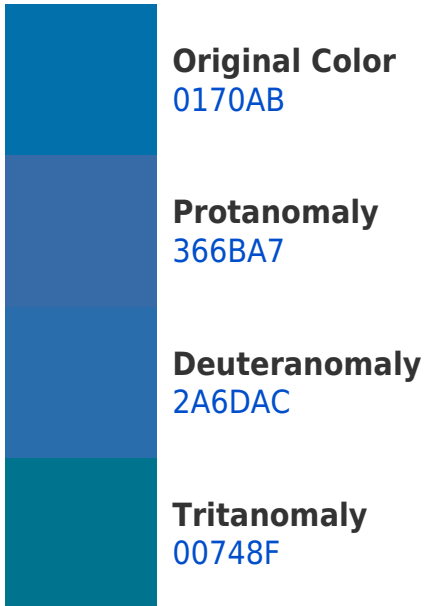
Dichromacy



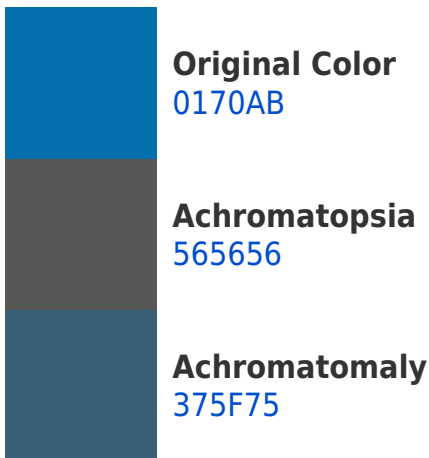


Tritanopia
00767F

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 0170AB 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 #0170AB looks like.

```
.text, #text, p{  
    color:#0170AB  
}
```

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 #0170AB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0170AB
}
```

Border

The CSS property to change the border of an element to Hex 0170AB 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
#0170AB }
```

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

```
.border{ border-color:#0170AB }
```

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

Here you see how a box with a 4 pixel #0170AB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0170AB; -webkit-box-shadow:4px 4px  
4px 4px #0170AB; box-shadow:4px 4px 4px  
4px #0170AB }
```

Background

The CSS property to change the background color of an element to Hex 0170AB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0170AB }
```

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

```
.background{ background-color:#0170AB }
```

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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