

# Converting Colors

Hex(00AFD0)

Have a look what the booklet for  
Hex(00AFD0) contains.

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# **Color**

**Hex(00AFD0)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00AFD0
RGB	0, 175, 208
RGB Percent	0%, 69%, 82%
CMY	1.0000, 0.3137, 0.1843
CMYK	1.00, 0.16, 0.00, 0.18
HSL	190°, 100%, 41%
HSV	190°, 100%, 82%
XYZ	26.7151, 35.2140, 65.0635
YIQ	126.4370, -114.8930, -26.8370

# Conversions

## Conversions Part 2

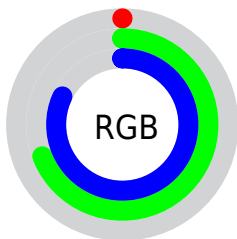
Format	Color
<a href="#">RYB</a>	0, 95, 208
Decimal	45008
CIELab	65.91, -25.56, -27.22
CIELCh	66, 37.341, 226.808
Yxy	35.2140, 0.2104, 0.2773
Android (android.graphics.Color)	4278235088 (0xFF00AFD0)
YUV	126.4370, 40.2106, -110.8852
Hunter-Lab	59.3414, -23.4878, -23.4681

# Details

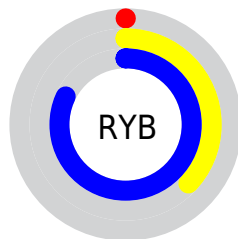
The Hex color **00AFD0** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as dark washed azure. A complement of this color would be **D02100**, and the grayscale version is **7E7E7E**.

A 20% lighter version of the original color is **67E7FF**, and **007A9A** is the 20% darker color. If you saturate the color by 10%, you get **00AFD0**, and if you desaturate by 10%, it is **15B2D0**.

# Distribution



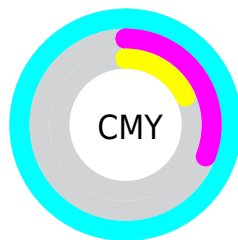
- Red (0%)
- Green (69%)
- Blue (82%)



- Red (0%)
- Yellow (37%)
- Blue (82%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (31%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00AFD0 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 00AFD0 by changing the saturation by 10% instead.



 00AFD0


 00AFD0

FFFFFF

 0094B4

 67E7FF

 007A9A

 88FFFF

 00617F

 A7FFFF

 004966

 C6FFFF

 00324E

 E5FFFF

 001F37

 000222

 000007

 000000

 00AFD0

 15B2D0

 2AB6D0

 3EB9D0

 53BCD0

 68C0D0

 7DC3D0

 92C6D0

 A6C9D0

 BBCDD0

# Harmonies

## Analogous

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



15B2B2



00AFD0



53A8E1

# Triad

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



00AFD0



D888B0



A3A45F

# Complementary

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



00AFD0



D02100

# 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.



C3995F



00AFD0



E1868E

# Square

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



00AFD0



BB91CE



D98E71



7DAC71

# Rectangle

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



00AFD0



7CA1E2



D98E71



AFA15D

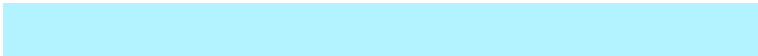


# Sweetspot

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



00AFD0



B3F3FF



00D01F



527880



000000



808080



# Same Dimension

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



00AFD0



00D7FF



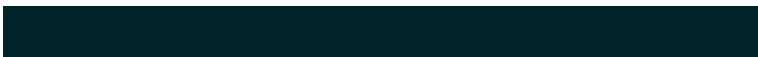
0049D0



5E6769



008EA8



002229



# Inverse Universe

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



D000AF



FF00D7



D08700



695E67



A8008E



290022



# Previews

## White Background



This preview shows how the Hex color 00AFD0 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 00AFD0 looks on a 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 ✓ Pass

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



## Hex 00AFD0 Background



This preview shows how black text looks on a background with the Hex color 00AFD0.

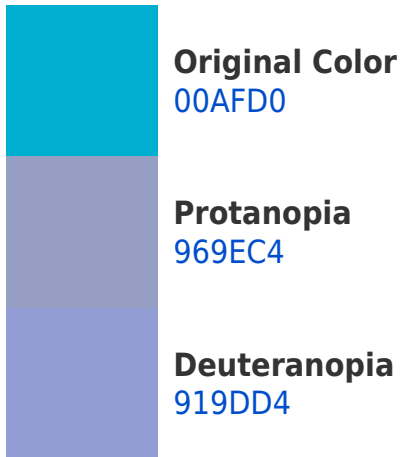


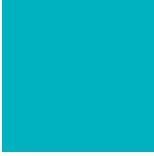
This preview shows how white text looks on a background with the Hex color 00AFD0.

# 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**  
00B1BF

# Trichromacy



**Original Color**  
00AFD0



**Protanomaly**  
5FA4C8



**Deuteranomaly**  
5CA4D3



**Tritanomaly**  
00B0C5

# Monochromacy



**Original Color**  
00AFD0



**Achromatopsia**  
7E7E7E



**Achromatomaly**  
50909C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00AFD0 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 #00AFD0 looks like.

```
.text, #text, p{  
    color:#00AFD0  
}
```

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 #00AFD0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00AFD0
}
```

## Border

The CSS property to change the border of an element to Hex 00AFD0 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
#00AFD0 }
```

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

```
.border{ border-color:#00AFD0 }
```

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

Here you see how a box with a 4 pixel #00AFD0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00AFD0; -webkit-box-shadow:4px 4px  
4px 4px #00AFD0; box-shadow:4px 4px 4px  
4px #00AFD0 }
```

# Background

The CSS property to change the background color of an element to Hex 00AFD0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00AFD0 }
```

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

```
.background{ background-color:#00AFD0 }
```

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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