

Converting Colors

Hex(00AEC7)

Have a look what the booklet for
Hex(00AEC7) contains.

Hex(00AEC7)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(00AEC7)

Conversions

Conversions Part 1

Format	Color
Hex	00AEC7
RGB	0, 174, 199
RGB Percent	0%, 68%, 78%
CMY	1.0000, 0.3176, 0.2196
CMYK	1.00, 0.13, 0.00, 0.22
HSL	188°, 100%, 39%
HSV	188°, 100%, 78%
XYZ	25.4449, 34.3956, 59.3308
YIQ	124.8240, -111.7290, -29.1130

Conversions

Conversions Part 2

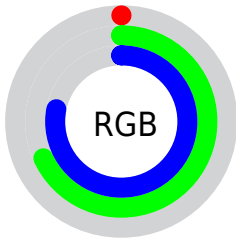
Format	Color
RYB	0, 93, 199
Decimal	44743
CIELab	65.28, -28.08, -23.23
CIELCh	65, 36.439, 219.599
Yxy	34.3956, 0.2135, 0.2886
Android (android.graphics.Color)	4278234823 (0xFF00AEC7)
YUV	124.8240, 36.5688, -109.4706
Hunter-Lab	58.6478, -25.1898, -18.9270

Details

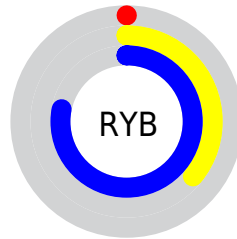
The Hex color **00AEC7** is a dark color, and the websafe version is hex **339999**. The color can be described as dark washed azure. A complement of this color would be **C71900**, and the grayscale version is **7D7D7D**.

A 20% lighter version of the original color is **65E6FF**, and **007991** is the 20% darker color. If you saturate the color by 10%, you get **00AEC7**, and if you desaturate by 10%, it is **14B1C7**.

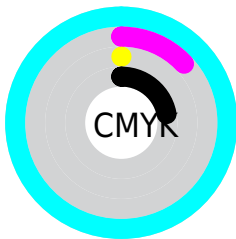
Distribution



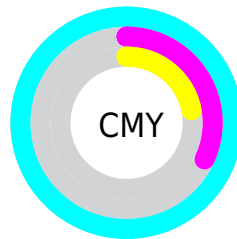
- Red (0%)
- Green (68%)
- Blue (78%)



- Red (0%)
- Yellow (36%)
- Blue (78%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (32%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00AEC7 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 00AEC7 by changing the saturation by 10% instead.

 00AEC7

 00AEC7

FFFFFF

 0093AC

 65E6FF

 007991

 86FFFF

 006077

 A5FFFF

 00485F

 C4FFFF

 003147

 E2FFFF

 001D30

 00011B

 000000

 00AEC7

 14B1C7

 28B3C7

 3CB6C7

 50B8C7

 64BBC7

 77BDC7

 8BC0C7

 9FC2C7

 B3C5C7

Harmonies

Analogous

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



2CB0A8



00AEC7



45A8DB

Triad

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



00AEC7



D088B6



AAA05D

Complementary

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



00AEC7



C71900

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.



C79562



00AEC7



DE8595

Square

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



00AEC7



B092D1



DA8A76



86A96B

Rectangle

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



00AEC7



6EA2DF



DA8A76



B49C5D

Sweetspot

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



00AEC7



B3F5FF



00C717



527A80



000000



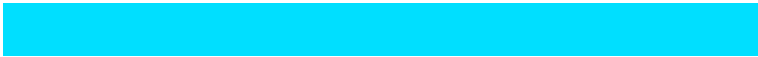
808080

Same Dimension

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



00AEC7



00DFFF



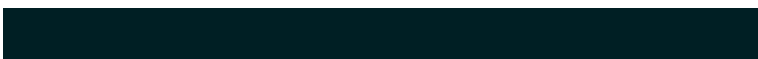
004CC7



5A6263



008FA3



001F24

Inverse Universe

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



C700AE



FF00DF



C77B00



635A62



A3008F



24001F

Previews

White Background



This preview shows how the Hex color 00AEC7 looks on a white background.

Color Contrast Check

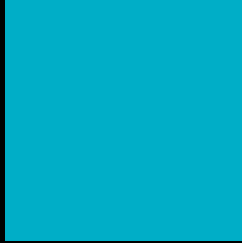
Large Text (above 18pt) WCAG AA × Fail

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 00AEC7 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

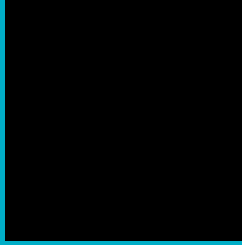
Any Text WCAG AA ✓ Pass

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 00AEC7 Background



This preview shows how black text looks on a background with the Hex color 00AEC7.

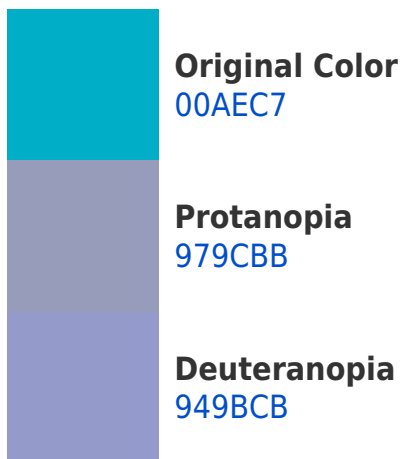


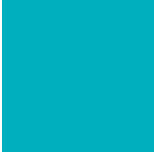
This preview shows how white text looks on a background with the Hex color 00AEC7.

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



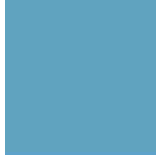


Tritanopia
00AFBD

Trichromacy



Original Color
00AEC7



Protanomaly
60A3BF



Deuteranomaly
5EA2CA



Tritanomaly
00AFC1

Monochromacy



Original Color
00AEC7



Achromatopsia
7D7D7D



Achromatomaly
508F98

CSS Examples

Text

The CSS property to change the color of the text to Hex 00AEC7 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 #00AEC7 looks like.

```
.text, #text, p{  
  color:#00AEC7  
}
```

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 #00AEC7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00AEC7
}
```

Border

The CSS property to change the border of an element to Hex 00AEC7 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
#00AEC7 }
```

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

```
.border{ border-color:#00AEC7 }
```

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

Here you see how a box with a 4 pixel #00AEC7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00AEC7; -webkit-box-shadow:4px 4px  
4px 4px #00AEC7; box-shadow:4px 4px 4px  
4px #00AEC7 }
```

Background

The CSS property to change the background color of an element to Hex 00AEC7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00AEC7 }
```

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

```
.background{ background-color:#00AEC7 }
```

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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