

# Converting Colors

Hex(00AAB9)

Have a look what the booklet for  
Hex(00AAB9) contains.

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# Color

**Hex(00AAB9)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00AAB9
RGB	0, 170, 185
RGB Percent	0%, 67%, 73%
CMY	1.0000, 0.3333, 0.2745
CMYK	1.00, 0.08, 0.00, 0.27
HSL	185°, 100%, 36%
HSV	185°, 100%, 73%
XYZ	23.1317, 32.2522, 50.9051
YIQ	120.8800, -106.1350, -31.3750

# Conversions

## Conversions Part 2

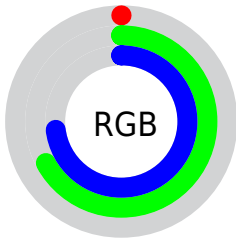
Format	Color
<a href="#">RYB</a>	0, 89, 185
Decimal	43705
CIELab	63.55, -30.72, -18.07
CIELCh	64, 35.640, 210.463
Yxy	32.2522, 0.2176, 0.3034
Android (android.graphics.Color)	4278233785 (0xFF00AAB9)
YUV	120.8800, 31.6112, -106.0118
Hunter-Lab	56.7910, -26.6791, -13.3913

# Details

The Hex color **00AAB9** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **B90F00**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **62E2F1**, and **007584** is the 20% darker color. If you saturate the color by 10%, you get **00AAB9**, and if you desaturate by 10%, it is **12ACB9**.

# Distribution



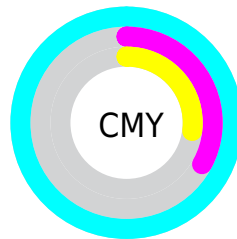
- Red (0%)
- Green (67%)
- Blue (73%)



- Red (0%)
- Yellow (35%)
- Blue (73%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (33%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00AAB9 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 00AAB9 by changing the saturation by 10% instead.



 00AAB9

 00AAB9

FFFFFF

 008F9E

 62E2F1

 007584

 82FFFF

 005C6B

 A1FFFF

 004452

 C0FFFF

 002D3B

 DEFFFF

 001626

FDFFFF

 000110

 000000

 00AAB9

 12ACB9

 25ADB9

 38AFB9

 4AB0B9

 5DB2B9

 6FB3B9

 82B5B9

 94B6B9

 A7B8B9

# Harmonies

## Analogous

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



3AAB99



00AAB9



30A5D0

# Triad

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



00AAB9



C287BA



AE985A

# Complementary

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



00AAB9



B90F00

# 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.



C88D64



00AAB9



D5819B

# Square

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



00AAB9



9E91D1



D6847B



8DA262

# Rectangle

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



00AAB9



59A0D8



D6847B



B8955B



# Sweetspot

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



00AAB9



A8EAF0



00B90C



4D7478



F7F7F7



787878

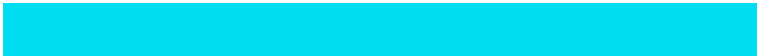


# Same Dimension

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



00AAB9



00DCF0



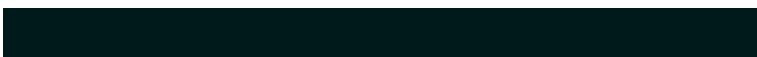
0050B9



535B5C



008F9C



001A1C



# Inverse Universe

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



B900AA



F000DC



B96900



5C535B



9C008F



1C001A



# Previews

## White Background



This preview shows how the Hex color 00AAB9 looks on a white background.

## Color Contrast Check

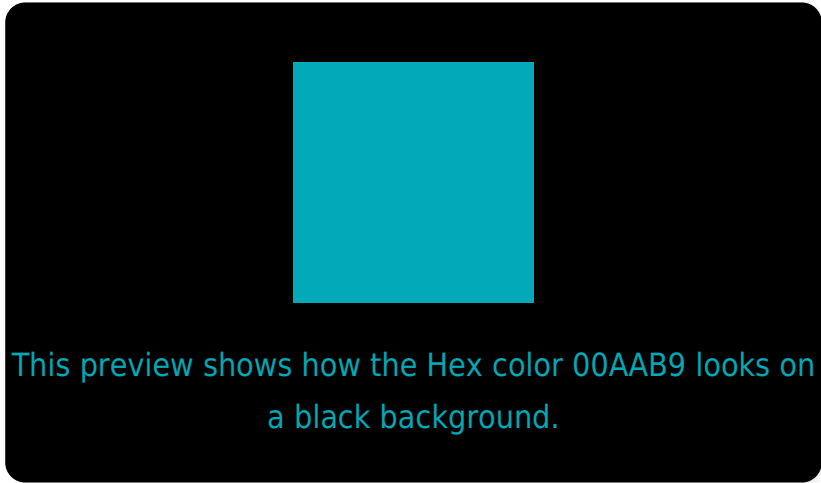
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

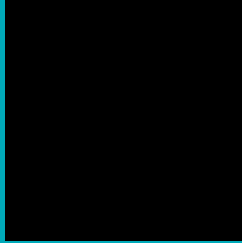
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

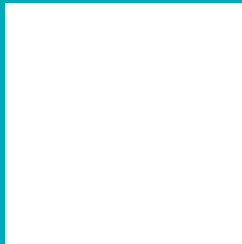
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 00AAB9 Background



This preview shows how black text looks on a background with the Hex color 00AAB9.

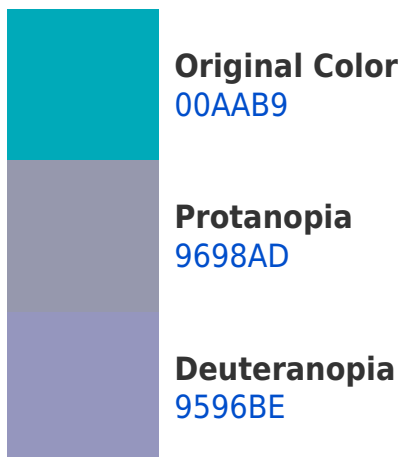


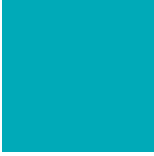
This preview shows how white text looks on a background with the Hex color 00AAB9.

# 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



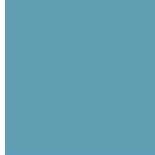


**Tritanopia**  
00AAB8

# Trichromacy



**Original Color**  
00AAB9



**Protanomaly**  
5F9FB1



**Deuteranomaly**  
5F9DBC



**Tritanomaly**  
00AAB8

# Monochromacy



**Original Color**  
00AAB9



**Achromatopsia**  
797979



**Achromatomaly**  
4D8B90

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00AAB9 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 #00AAB9 looks like.

```
.text, #text, p{  
    color:#00AAB9  
}
```

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 #00AAB9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00AAB9
}
```

## Border

The CSS property to change the border of an element to Hex 00AAB9 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
#00AAB9 }
```

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

```
.border{ border-color:#00AAB9 }
```

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

Here you see how a box with a 4 pixel #00AAB9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00AAB9; -webkit-box-shadow:4px 4px  
4px 4px #00AAB9; box-shadow:4px 4px 4px  
4px #00AAB9 }
```

# Background

The CSS property to change the background color of an element to Hex 00AAB9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00AAB9 }
```

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

```
.background{ background-color:#00AAB9 }
```

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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