

# Converting Colors

Hex(00A9AB)

Have a look what the booklet for  
Hex(00A9AB) contains.

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# Color

Hex(00A9AB)

# Conversions

## Conversions Part 1

| Format      | Color                         |
|-------------|-------------------------------|
| Hex         | 00A9AB                        |
| RGB         | 0, 169, 171                   |
| RGB Percent | 0%, 66%, 67%                  |
| CMY         | 1.0000, 0.3373, 0.3294        |
| CMYK        | 1.00, 0.01, 0.00, 0.33        |
| HSL         | 181°, 100%, 34%               |
| HSV         | 181°, 100%, 67%               |
| XYZ         | 21.5387, 31.3162, 43.4375     |
| YIQ         | 118.6970, -101.3660, -35.2060 |

# Conversions

## Conversions Part 2

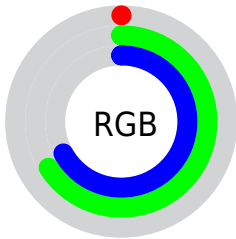
| <b>Format</b>                       | <b>Color</b>   |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">0, 85, 171</a>                                   |
| Decimal                             | <a href="#">43435</a>  |
| CIELab                              | <a href="#">62.77, -34.71, -11.41</a>                        |
| CIELCh                              | <a href="#">63, 36.536, 198.204</a>                          |
| Yxy                                 | <a href="#">31.3162, 0.2237, 0.3252</a>                      |
| Android<br>(android.graphics.Color) | <a href="#">4278233515</a><br>( <a href="#">0xFF00A9AB</a> ) |
| YUV                                 | <a href="#">118.6970, 25.7854, -104.0973</a>                 |
| Hunter-Lab                          | <a href="#">55.9609, -29.2291, -6.8490</a>                   |

# Details

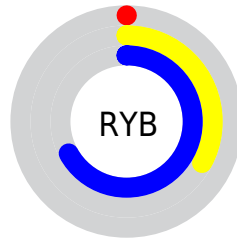
The Hex color **00A9AB** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **AB0200**, and the grayscale version is **777777**.

A 20% lighter version of the original color is **60E1E2**, and **007477** is the 20% darker color. If you saturate the color by 10%, you get **00A9AB**, and if you desaturate by 10%, it is **11A9AB**.

# Distribution



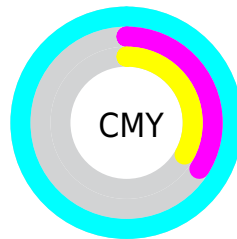
- Red (0%)
- Green (66%)
- Blue (67%)



- Red (0%)
- Yellow (33%)
- Blue (67%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (34%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00A9AB 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 00A9AB by changing the saturation by 10% instead.



 00A9AB

 00A9AB

FFFFFF

 008E91

 60E1E2

 007477

 80FEFF

 005B5E

 9EFFFF

 004347

 BCFFFF

 002C30

 DBFFFF

 00121C

 F9FFFF

 000000

 00A9AB

 11A9AB

 22A9AB

 33AAAB

 44AAAB

 55AAAB

 67AAAB

 78AAAB

 89ABAB

 9AABAB

# Harmonies

## Analogous

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



49A88A



00A9AB



00A6C7

# Triad

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



00A9AB



B488C3



B89158

# Complementary

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



00A9AB



AB0200

# 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.



CE8669



00A9AB



CF80A6

# Square

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



00A9AB



8894D5



D77F85



999C59

# Rectangle

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



00A9AB



39A2D3



D77F85



C18E5C



# Sweetspot

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



00A9AB



9BDDDE



00AB00



487070



F0F0F0



707070



# Same Dimension

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



00A9AB



00DBDE



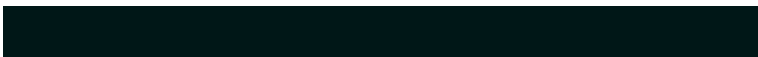
0055AB



4E5757



009596



001717



# Inverse Universe

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



AB00A9



DE00DB



AB5500



574E57



960095



170017



# Previews

## White Background



This preview shows how the Hex color 00A9AB 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 00A9AB looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

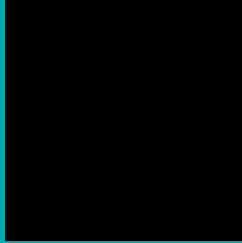
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 00A9AB Background



This preview shows how black text looks on a background with the Hex color 00A9AB.

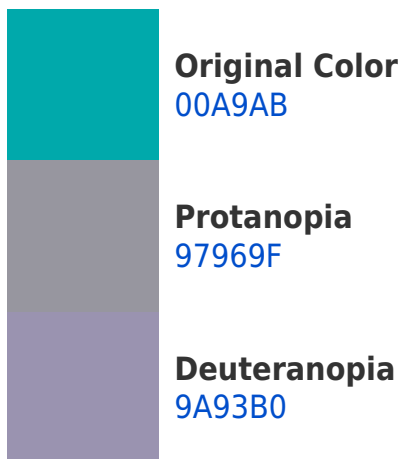


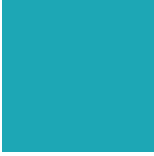
This preview shows how white text looks on a background with the Hex color 00A9AB.

# 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**  
1DA7B5

# Trichromacy



**Original Color**  
00A9AB



**Protanomaly**  
609DA3



**Deuteranomaly**  
629BAE



**Tritanomaly**  
12A8B1

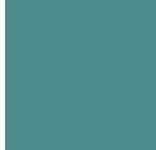
# Monochromacy



**Original Color**  
00A9AB



**Achromatopsia**  
777777



**Achromatomaly**  
4C898A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00A9AB 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 #00A9AB looks like.

```
.text, #text, p{  
    color:#00A9AB  
}
```

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 #00A9AB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00A9AB
}
```

## Border

The CSS property to change the border of an element to Hex 00A9AB 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
#00A9AB }
```

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

```
.border{ border-color:#00A9AB }
```

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

Here you see how a box with a 4 pixel #00A9AB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00A9AB; -webkit-box-shadow:4px 4px  
4px 4px #00A9AB; box-shadow:4px 4px 4px  
4px #00A9AB }
```

# Background

The CSS property to change the background color of an element to Hex 00A9AB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00A9AB }
```

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

```
.background{ background-color:#00A9AB }
```

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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