

# Converting Colors

Hex(00AB97)

Have a look what the booklet for  
Hex(00AB97) contains.

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**Color**

**Hex(00AB97)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00AB97
RGB	0, 171, 151
RGB Percent	0%, 67%, 59%
CMY	1.0000, 0.3294, 0.4078
CMYK	1.00, 0.00, 0.12, 0.33
HSL	173°, 100%, 34%
HSV	173°, 100%, 67%
XYZ	20.1488, 31.3602, 34.2693
YIQ	117.5910, -95.4960, -42.4720

# Conversions

## Conversions Part 2

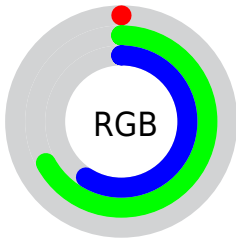
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 91, 171</a>
Decimal	<a href="#">43927</a>
CIELab	<a href="#">62.81, -41.57, -0.16</a>
CIELCh	<a href="#">63, 41.570, 180.225</a>
Yxy	<a href="#">31.3602, 0.2349, 0.3656</a>
Android (android.graphics.Color)	<a href="#">4278234007 (0xFF00AB97)</a>
YUV	<a href="#">117.5910, 16.4706, -103.1273</a>
Hunter-Lab	<a href="#">56.0002, -33.7761, 2.9176</a>

# Details

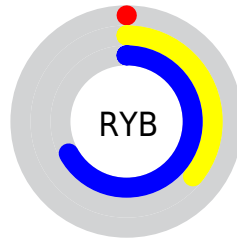
The Hex color **00AB97** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **AB0014**, and the grayscale version is **767676**.

A 20% lighter version of the original color is **5EE3CD**, and **007664** is the 20% darker color. If you saturate the color by 10%, you get **00AB97**, and if you desaturate by 10%, it is **11AB99**.

# Distribution



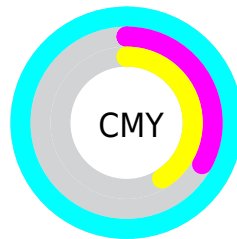
- Red (0%)
- Green (67%)
- Blue (59%)



- Red (0%)
- Yellow (36%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00AB97 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 00AB97 by changing the saturation by 10% instead.



 00AB97

 00AB97

FFFFFF

 00907D

 5EE3CD

 007664

 7DFFE9

 005C4C

 9CFFF

 004436

 BAF

 002D21

 D8FFF

 00120A

 F6FFF

 000000

 00AB97

 11AB99

 22AB9B

 33AB9D

 44AB9F

 55ABA1

 67ABA3

 78ABA5

 89ABA7

 9AABA9

# Harmonies

## Analogous

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



5BA872



00AB97



00AABC

# Triad

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



00AB97



9B8ED8



CC8959

# Complementary

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



00AB97



AB0014

# 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.



DD7D75



00AB97



C681BD

# Square

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



00AB97



5C9CE1



DC7A99



AE964D

# Rectangle

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



00AB97



00A7D0



DC7A99



D38461



# Sweetspot

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



00AB97



9BDED6



17AB00



48706B



F0F0F0



707070

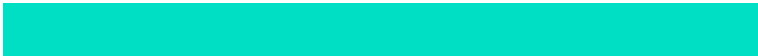


# Same Dimension

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



00AB97



00DEC4



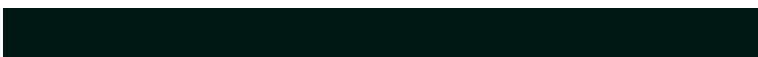
006CAB



4E5756



009685



001714



# Inverse Universe

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



AB0014



DE001A



AB3F00



574E4F



960012

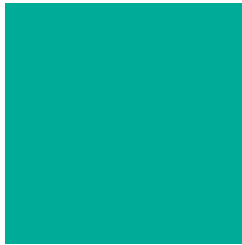


170003



# Previews

## White Background



This preview shows how the Hex color 00AB97 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 00AB97 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

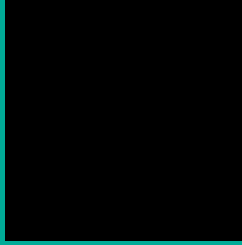
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 00AB97 Background



This preview shows how black text looks on a background with the Hex color 00AB97.

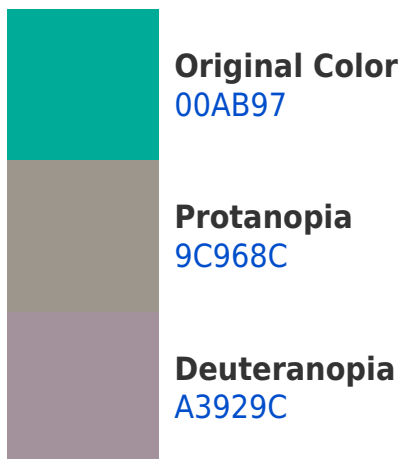


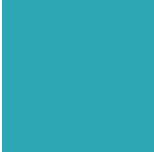
This preview shows how white text looks on a background with the Hex color 00AB97.

# 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**  
2DA7B4

# Trichromacy



**Original Color**  
00AB97



**Protanomaly**  
639E90



**Deuteranomaly**  
689B9A



**Tritanomaly**  
1DA8A9

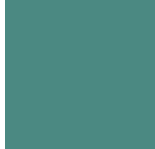
# Monochromacy



**Original Color**  
00AB97



**Achromatopsia**  
767676



**Achromatomaly**  
4B8982

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00AB97 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 #00AB97 looks like.

```
.text, #text, p{  
  color:#00AB97  
}
```

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 #00AB97 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00AB97
}
```

## Border

The CSS property to change the border of an element to Hex 00AB97 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
#00AB97 }
```

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

```
.border{ border-color:#00AB97 }
```

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

Here you see how a box with a 4 pixel #00AB97 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00AB97; -webkit-box-shadow:4px 4px  
4px 4px #00AB97; box-shadow:4px 4px 4px  
4px #00AB97 }
```

# Background

The CSS property to change the background color of an element to Hex 00AB97 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00AB97 }
```

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

```
.background{ background-color:#00AB97 }
```

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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