

# Converting Colors

Hex(00AE8A)

Have a look what the booklet for  
Hex(00AE8A) contains.

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**Color**

**Hex(00AE8A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00AE8A
RGB	0, 174, 138
RGB Percent	0%, 68%, 54%
CMY	1.0000, 0.3176, 0.4588
CMYK	1.00, 0.00, 0.21, 0.32
HSL	168°, 100%, 34%
HSV	168°, 100%, 68%
XYZ	19.7235, 32.1071, 29.2025
YIQ	117.8700, -92.1480, -48.0840

# Conversions

## Conversions Part 2

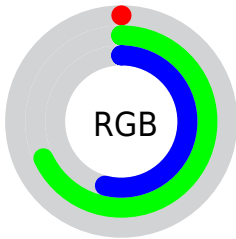
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 97, 174
Decimal	44682
CIELab	63.43, -46.36, 7.97
CIELCh	63, 47.038, 170.242
Yxy	32.1071, 0.2434, 0.3962
Android (android.graphics.Color)	4278234762 (0xFF00AE8A)
YUV	117.8700, 9.9241, -103.3720
Hunter-Lab	56.6631, -37.0275, 9.1078

# Details

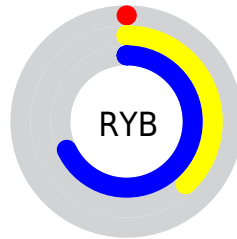
The Hex color **00AE8A** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **AE0024**, and the grayscale version is **767676**.

A 20% lighter version of the original color is **5EE6BF**, and **007858** is the 20% darker color. If you saturate the color by 10%, you get **00AE8A**, and if you desaturate by 10%, it is **11AE8E**.

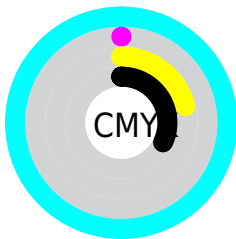
# Distribution



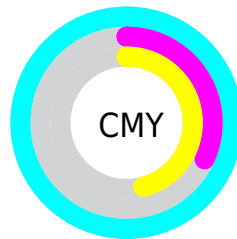
- Red (0%)
- Green (68%)
- Blue (54%)



- Red (0%)
- Yellow (38%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (32%)



- Cyan (100%)
- Magenta (32%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00AE8A 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 00AE8A by changing the saturation by 10% instead.



 00AE8A

 00AE8A

FFFFFF

 009371

 5EE6BF

 007858

 7DFFDB

 005F41

 9BFFF8

 00462B

 B9FFF8

 002F16


 D7FFF8

 001400

 F6FFF8

 000000

 00AE8A

 11AE8E

 23AE91

 34AE95

 46AE98

 57AE9C

 68AEA0

 7AAEA3

 8BAEA7

 9DAEAA

# Harmonies

## Analogous

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



65A962



00AE8A



00AFB5

# Triad

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



00AE8A



8694E8



DB835B

# Complementary

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



00AE8A



AE0024

# 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.



E8787F



00AE8A



C084D0

# Square

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



00AE8A



19A2EC



E078A9



BE9345

# Rectangle

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



00AE8A



00ADCF



E078A9



E27E66



# Sweetspot

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



00AE8A



9FE3D5



26AE00



49736A



F2F2F2



737373



# Same Dimension

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



00AE8A



00E3B4



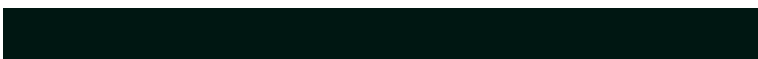
007DAE



4E5755



009677



001712



# Inverse Universe

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



AE0024



E3002F



AE3100



574E50



96001F



170005



# Previews

## White Background



This preview shows how the Hex color 00AE8A looks on a white background.

## Color Contrast Check

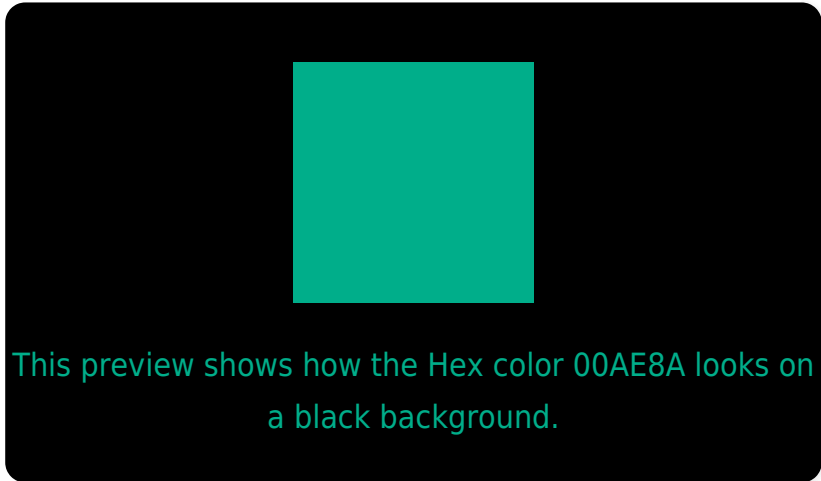
Large Text (above 18pt) WCAG AA × Fail

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

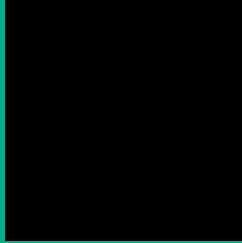
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 00AE8A Background



This preview shows how black text looks on a background with the Hex color 00AE8A.

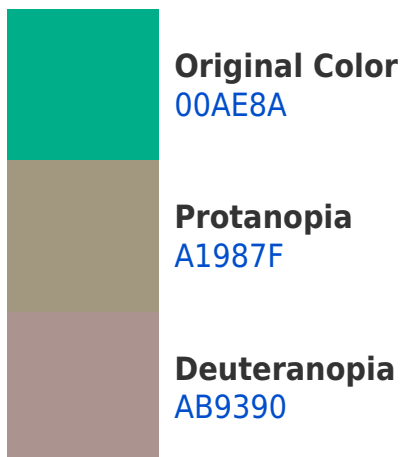


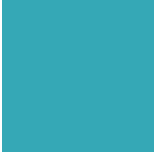
This preview shows how white text looks on a background with the Hex color 00AE8A.

# 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**  
35A8B6

# Trichromacy



**Original Color**  
00AE8A



**Protanomaly**  
66A083



**Deuteranomaly**  
6D9D8E



**Tritanomaly**  
22AAA6

# Monochromacy



**Original Color**  
00AE8A



**Achromatopsia**  
767676



**Achromatomaly**  
4B8A7D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00AE8A 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 #00AE8A looks like.

```
.text, #text, p{  
    color:#00AE8A  
}
```

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 #00AE8A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00AE8A
}
```

## Border

The CSS property to change the border of an element to Hex 00AE8A 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
#00AE8A }
```

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

```
.border{ border-color:#00AE8A }
```

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

Here you see how a box with a 4 pixel #00AE8A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00AE8A; -webkit-box-shadow:4px 4px  
4px 4px #00AE8A; box-shadow:4px 4px 4px  
4px #00AE8A }
```

# Background

The CSS property to change the background color of an element to Hex 00AE8A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00AE8A }
```

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

```
.background{ background-color:#00AE8A }
```

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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