

Converting Colors

Hex(00AA87)

Have a look what the booklet for
Hex(00AA87) contains.

Hex(00AA87)	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(00AA87)

Conversions

Conversions Part 1

Format	Color
Hex	00AA87
RGB	0, 170, 135
RGB Percent	0%, 67%, 53%
CMY	1.0000, 0.3333, 0.4706
CMYK	1.00, 0.00, 0.21, 0.33
HSL	168°, 100%, 33%
HSV	168°, 100%, 67%
XYZ	18.7479, 30.4987, 27.8204
YIQ	115.1800, -90.0850, -46.9250

Conversions

Conversions Part 2

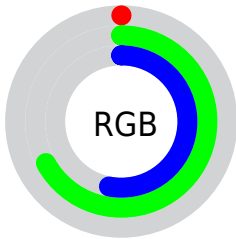
Format	Color
RYB	0, 95, 170
Decimal	43655
CIELab	62.08, -45.51, 7.71
CIELCh	62, 46.155, 170.379
Yxy	30.4987, 0.2433, 0.3957
Android (android.graphics.Color)	4278233735 (0xFF00AA87)
YUV	115.1800, 9.7713, -101.0129
Hunter-Lab	55.2256, -36.0480, 8.7901

Details

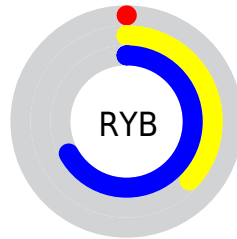
The Hex color **00AA87** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **AA0023**, and the grayscale version is **737373**.

A 20% lighter version of the original color is **5DE2BC**, and **007555** is the 20% darker color. If you saturate the color by 10%, you get **00AA87**, and if you desaturate by 10%, it is **11AA8A**.

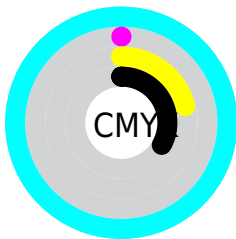
Distribution



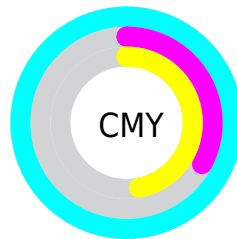
- Red (0%)
- Green (67%)
- Blue (53%)



- Red (0%)
- Yellow (37%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00AA87 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 00AA87 by changing the saturation by 10% instead.



00AA87



00AA87

FFFFFF



008F6E



5DE2BC



007555



7CFFD8



005B3E



9AFFF4



004228



B8FFFF



002C14



D6FFFF



000E00



F4FFFF



000000



00AA87



11AA8A

 22AA8E

 33AA91

 44AA95

 55AA98

 66AA9C

 77AA9F

 88AAA3

 99AAA6

Harmonies

Analogous

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



63A560



00AA87



00ABB1

Triad

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



00AA87



8490E3



D68058

Complementary

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



00AA87



AA0023

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.



E3757C



00AA87



BC80CB

Square

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



00AA87



1B9EE6



DB75A5



BA8F43

Rectangle

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



00AA87



00A9CA



DB75A5



DC7C63

Sweetspot

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



00AA87



9BDED0



25AA00



487068



F0F0F0



707070

Same Dimension

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



00AA87



00DEB0



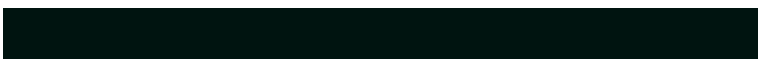
007AAA



4C5452



009475



001410

Inverse Universe

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



AA0023



DE002E



AA3000



544C4D



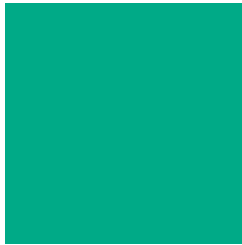
94001E



140004

Previews

White Background



This preview shows how the Hex color 00AA87 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 00AA87 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

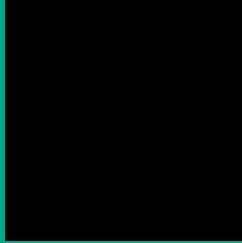
Any Text WCAG AA ✓ Pass

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 00AA87 Background



This preview shows how black text looks on a background with the Hex color 00AA87.

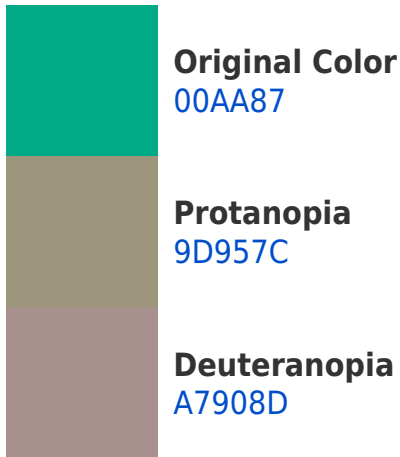


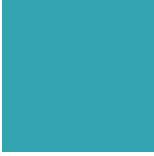
This preview shows how white text looks on a background with the Hex color 00AA87.

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
34A4B2

Trichromacy



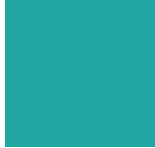
Original Color
00AA87



Protanomaly
649D80



Deuteranomaly
6A998B



Tritanomaly
21A6A2

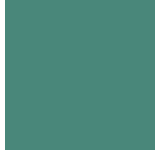
Monochromacy



Original Color
00AA87



Achromatopsia
737373



Achromatomaly
49877A

CSS Examples

Text

The CSS property to change the color of the text to Hex 00AA87 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 #00AA87 looks like.

```
.text, #text, p{  
    color:#00AA87  
}
```

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 #00AA87 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00AA87
}
```

Border

The CSS property to change the border of an element to Hex 00AA87 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
#00AA87 }
```

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

```
.border{ border-color:#00AA87 }
```

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

Here you see how a box with a 4 pixel #00AA87 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00AA87; -webkit-box-shadow:4px 4px  
4px 4px #00AA87; box-shadow:4px 4px 4px  
4px #00AA87 }
```

Background

The CSS property to change the background color of an element to Hex 00AA87 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00AA87 }
```

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

```
.background{ background-color:#00AA87 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor