

Converting Colors

Hex(00A676)

Have a look what the booklet for
Hex(00A676) contains.

Hex(00A676)	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(00A676)

Conversions

Conversions Part 1

Format	Color
Hex	00A676
RGB	0, 166, 118
RGB Percent	0%, 65%, 46%
CMY	1.0000, 0.3490, 0.5373
CMYK	1.00, 0.00, 0.29, 0.35
HSL	163°, 100%, 33%
HSV	163°, 100%, 65%
XYZ	16.9062, 28.5804, 21.7651
YIQ	110.8940, -83.5280, -50.1200

Conversions

Conversions Part 2

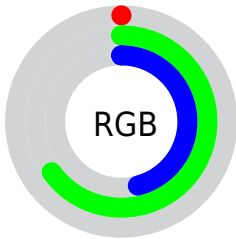
Format	Color
RYB	0, 97, 166
Decimal	42614
CIELab	60.41, -48.16, 14.80
CIELCh	60, 50.381, 162.916
Yxy	28.5804, 0.2514, 0.4250
Android (android.graphics.Color)	4278232694 (0xFF00A676)
YUV	110.8940, 3.5033, -97.2540
Hunter-Lab	53.4607, -37.1079, 13.2842

Details

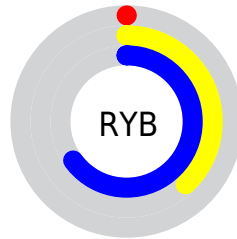
The Hex color **00A676** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **A60030**, and the grayscale version is **6F6F6F**.

A 20% lighter version of the original color is **5BDEAA**, and **007145** is the 20% darker color. If you saturate the color by 10%, you get **00A676**, and if you desaturate by 10%, it is **11A67B**.

Distribution



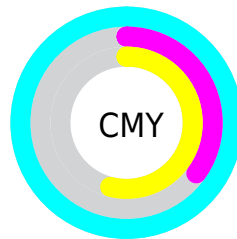
- Red (0%)
- Green (65%)
- Blue (46%)



- Red (0%)
- Yellow (38%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (35%)



- Cyan (100%)
- Magenta (35%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00A676 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 00A676 by changing the saturation by 10% instead.

 00A676

 00A676

FFFFFF

 008B5D

 5BDEAA

 007145

 79FBC6

 00572F

 97FFE2

 003F1A

 B5FFFE

 002900


 D3FFFF

 000300

 F1FFFF

 000000

 00A676

 11A67B

 21A680

 32A684

 42A689

 53A68E

 64A693

 74A698

 85A69C

 95A6A1

Harmonies

Analogous

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



67A04E



00A676



00A8A4

Triad

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



00A676



6690E8



DB7557

Complementary

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



00A676



A60030

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.



E46B80



00A676



AD7ED3

Square

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



00A676



009EE6



D66FAD



C0863A

Rectangle

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



00A676



00A7C1



D66FAD



E07164

Sweetspot

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



00A676



98D9C6



32A600



466E62



EDEDED



6E6E6E

Same Dimension

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



00A676



00D99A



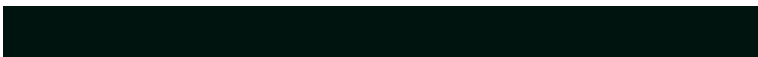
0085A6



4C5452



009469



00140F

Inverse Universe

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



A60030



D9003F



A62100



544C4E



94002B



140006

Previews

White Background



This preview shows how the Hex color 00A676 looks on a white background.

Color Contrast Check

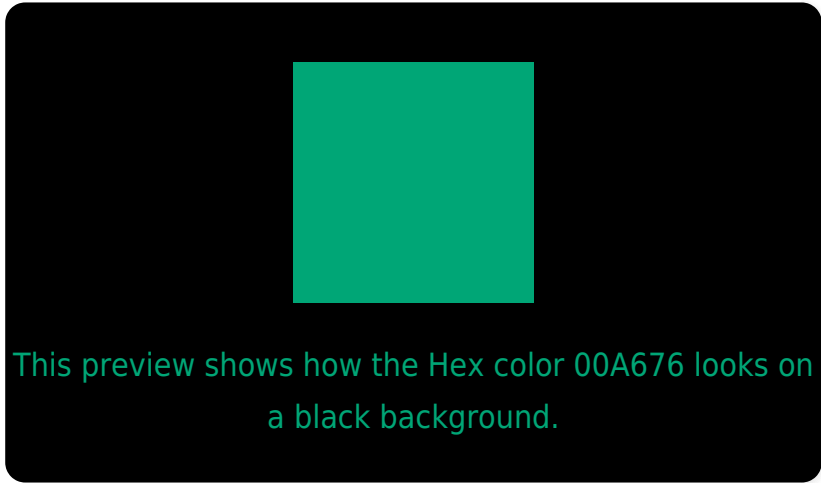
Large Text (above 18pt) WCAG AA ✓ Pass

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

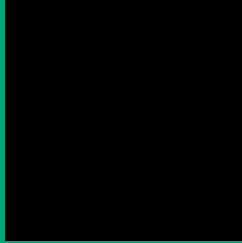
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Hex 00A676 Background



This preview shows how black text looks on a background with the Hex color 00A676.

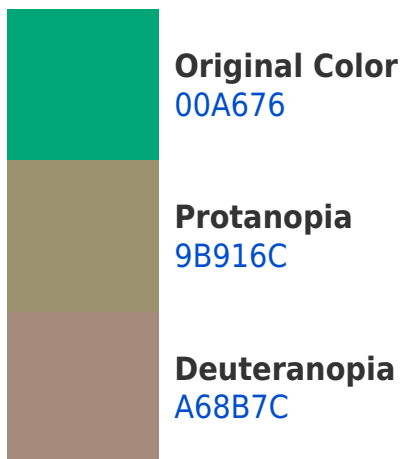


This preview shows how white text looks on a background with the Hex color 00A676.

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



Trichromacy



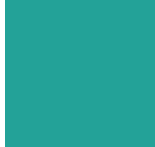
Original Color
00A676



Protanomaly
639970



Deuteranomaly
6A957A



Tritanomaly
23A298

Monochromacy



Original Color
00A676



Achromatopsia
6F6F6F



Achromatomaly
478372

CSS Examples

Text

The CSS property to change the color of the text to Hex 00A676 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 #00A676 looks like.

```
.text, #text, p{  
    color:#00A676  
}
```

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 #00A676 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00A676
}
```

Border

The CSS property to change the border of an element to Hex 00A676 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
#00A676 }
```

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

```
.border{ border-color:#00A676 }
```

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

Here you see how a box with a 4 pixel #00A676 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00A676; -webkit-box-shadow:4px 4px  
4px 4px #00A676; box-shadow:4px 4px 4px  
4px #00A676 }
```

Background

The CSS property to change the background color of an element to Hex 00A676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00A676 }
```

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

```
.background{ background-color:#00A676 }
```

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