

# Converting Colors

Hex(00A16D)

Have a look what the booklet for  
Hex(00A16D) contains.

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# Color

**Hex(00A16D)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 00A16D                       |
| RGB         | 0, 161, 109                  |
| RGB Percent | 0%, 63%, 43%                 |
| CMY         | 1.0000, 0.3686, 0.5725       |
| CMYK        | 1.00, 0.00, 0.32, 0.37       |
| HSL         | 161°, 100%, 32%              |
| HSV         | 161°, 100%, 63%              |
| XYZ         | 15.5052, 26.5939, 18.7839    |
| YIQ         | 106.9330, -79.2640, -50.3040 |

# Conversions

## Conversions Part 2

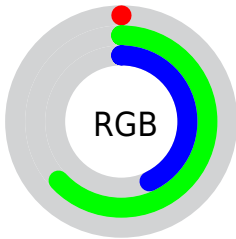
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 0, 96, 161                    |
| Decimal                             | 41325                         |
| CIELab                              | 58.60, -48.34, 17.28          |
| CIELCh                              | 59, 51.331, 160.330           |
| Yxy                                 | 26.5939, 0.2547,<br>0.4368    |
| Android<br>(android.graphics.Color) | 4278231405<br>(0xFF00A16D)    |
| YUV                                 | 106.9330, 1.0190,<br>-93.7802 |
| Hunter-Lab                          | 51.5692, -36.5770,<br>14.5023 |

# Details

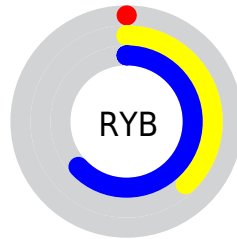
The Hex color **00A16D** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **A10034**, and the grayscale version is **6B6B6B**.

A 20% lighter version of the original color is **59D9A1**, and **006C3D** is the 20% darker color. If you saturate the color by 10%, you get **00A16D**, and if you desaturate by 10%, it is **10A172**.

# Distribution



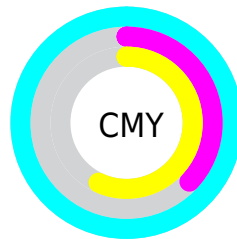
- Red (0%)
- Green (63%)
- Blue (43%)



- Red (0%)
- Yellow (38%)
- Blue (63%)



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (37%)



- Cyan (100%)
- Magenta (37%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00A16D 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 00A16D by changing the saturation by 10% instead.



 00A16D

 00A16D

FFFFFF

 008655

 59D9A1

 006C3D

 77F6BC

 005327

 95FFD8

 003A12

 B3FFF4

 002400

 D0FFFF

 000000

 EEEFFF

 00A16D

 10A172

 20A177


 30A17D

 40A182

 51A187

 61A18C

 71A191

 81A197

 91A19C

# Harmonies

## Analogous

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



669B45



00A16D



00A39C

# Triad

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



00A16D



568DE6



D86F55

# Complementary

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



00A16D



A10034

# 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.



E0657F



00A16D



A47BD2

# Square

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



00A16D



009AE1



CF6AAC



BE8036

# Rectangle

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



00A16D



00A2B9



CF6AAC



DD6A62



# Sweetspot

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



00A16D



92D1BD



36A100



43695C



E8E8E8



696969



# Same Dimension

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



00A16D



00D18E



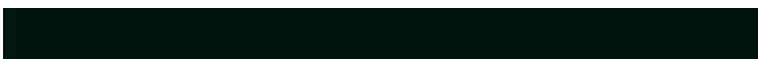
0086A1



49524F



009162



00120C



# Inverse Universe

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



A10034



D10044



A11B00



52494C



91002F



120006



# Previews

## White Background



This preview shows how the Hex color 00A16D looks on a white background.

## Color Contrast Check

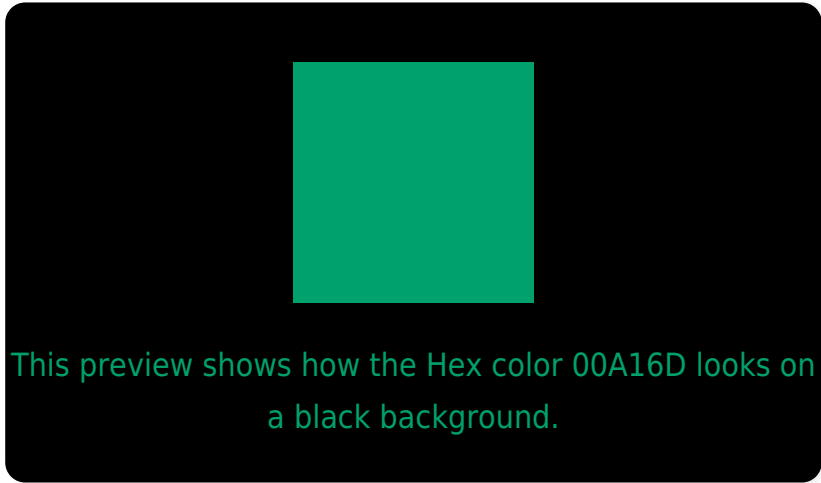
Large Text (above 18pt) WCAG AA ✓ Pass

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

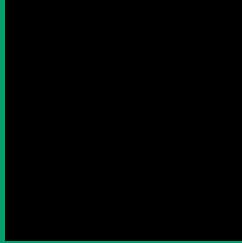
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 00A16D Background



This preview shows how black text looks on a background with the Hex color 00A16D.



This preview shows how white text looks on a background with the Hex color 00A16D.

# 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



**Original Color**  
00A16D

**Protanopia**  
978C64

**Deuteranopia**  
A28773



**Tritanopia**  
379AA6

# Trichromacy



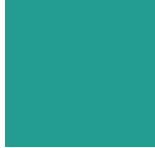
**Original Color**  
00A16D



**Protanomaly**  
609467



**Deuteranomaly**  
679071



**Tritanomaly**  
239D91

# Monochromacy



**Original Color**  
00A16D



**Achromatopsia**  
6B6B6B



**Achromatomaly**  
447F6C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00A16D 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 #00A16D looks like.

```
.text, #text, p{  
    color:#00A16D  
}
```

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 #00A16D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00A16D
}
```

## Border

The CSS property to change the border of an element to Hex 00A16D 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
#00A16D }
```

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

```
.border{ border-color:#00A16D }
```

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

Here you see how a box with a 4 pixel #00A16D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00A16D; -webkit-box-shadow:4px 4px  
4px 4px #00A16D; box-shadow:4px 4px 4px  
4px #00A16D }
```

# Background

The CSS property to change the background color of an element to Hex 00A16D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00A16D }
```

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

```
.background{ background-color:#00A16D }
```

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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