

# Converting Colors

Hex(00AA64)

Have a look what the booklet for  
Hex(00AA64) contains.

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# Color

Hex(00AA64)

# Conversions

## Conversions Part 1

Format	Color
Hex	00AA64
RGB	0, 170, 100
RGB Percent	0%, 67%, 39%
CMY	1.0000, 0.3333, 0.6078
CMYK	1.00, 0.00, 0.41, 0.33
HSL	155°, 100%, 33%
HSV	155°, 100%, 67%
XYZ	16.6750, 29.6696, 16.9045
YIQ	111.1900, -78.8500, -57.8100

# Conversions

## Conversions Part 2

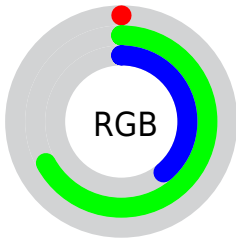
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 107, 170
Decimal	43620
CIELab	61.37, -53.58, 25.90
CIELCh	61, 59.509, 154.199
Yxy	29.6696, 0.2636, 0.4691
Android (android.graphics.Color)	4278233700 (0xFF00AA64)
YUV	111.1900, -5.5167, -97.5136
Hunter-Lab	54.4698, -40.6774, 19.7284

# Details

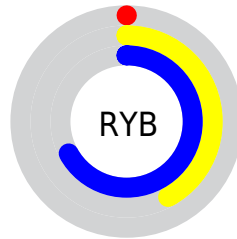
The Hex color **00AA64** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **AA0046**, and the grayscale version is **6F6F6F**.

A 20% lighter version of the original color is **5CE298**, and **007434** is the 20% darker color. If you saturate the color by 10%, you get **00AA64**, and if you desaturate by 10%, it is **11AA6B**.

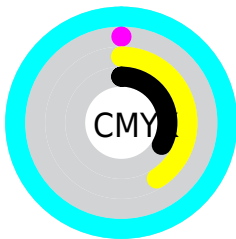
# Distribution



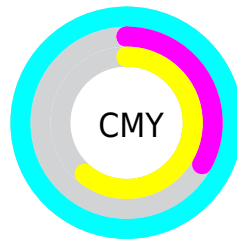
- Red (0%)
- Green (67%)
- Blue (39%)



- Red (0%)
- Yellow (42%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (41%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00AA64 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 00AA64 by changing the saturation by 10% instead.



 00AA64

 00AA64

FFFFFF

 008F4C

 5CE298

 007434

 7AFFB2

 005B1D

 98FFCE

 004206

 B6FFEB

 002B00


 D4FFFF

 000900

 F2FFFF

 000000

 00AA64

 11AA6B

 22AA72

 33AA79

 44AA80

 55AA87

 66AA8E

 77AA95

 88AA9C

 99AAA3

# Harmonies

## Analogous

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



72A236



00AA64



00AD9A

# Triad

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



00AA64



1698FD



EE6C5C

# Complementary

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



00AA64



AA0046

# 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.



F2628F



00AA64



9F83EC

# Square

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



00AA64



00A6F2



DA6DC3



D38032

# Rectangle

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



00AA64



00ADBE



DA6DC3



F3676C



# Sweetspot

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



00AA64



9BDEC2



47AA00



487060



F0F0F0



707070



# Same Dimension

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



00AA64



00DE83



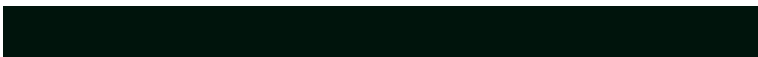
009CAA



4C5451



009457



00140C



# Inverse Universe

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



AA0046



DE005B



AA0E00



544C4F



94003D



140008



# Previews

## White Background



This preview shows how the Hex color 00AA64 looks on a white background.

## Color Contrast Check

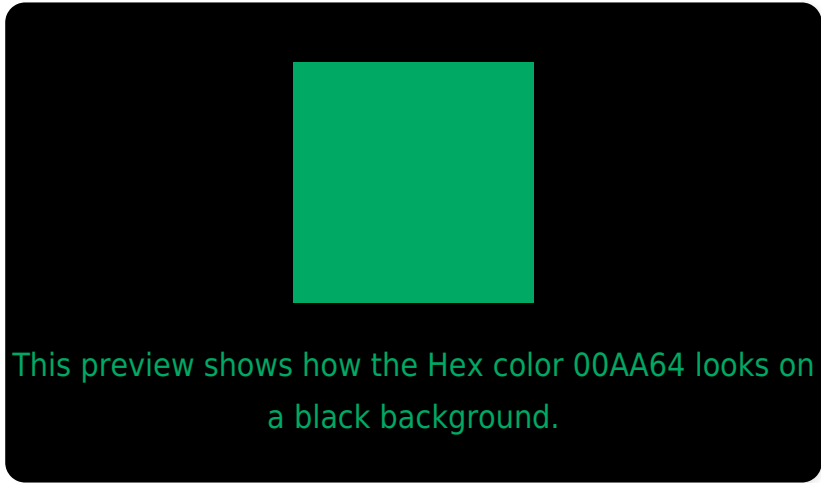
Large Text (above 18pt) WCAG AA ✓ Pass

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

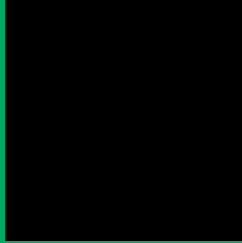
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 00AA64 Background



This preview shows how black text looks on a background with the Hex color 00AA64.



This preview shows how white text looks on a background with the Hex color 00AA64.

# 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**  
00AA64

**Protanopia**  
A1935B

**Deuteranopia**  
AE8D6B



**Tritanopia**  
3EA1AE

# Trichromacy



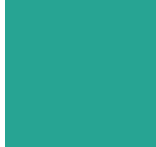
**Original Color**  
00AA64



**Protanomaly**  
669B5E



**Deuteranomaly**  
6F9868



**Tritanomaly**  
27A493

# Monochromacy



**Original Color**  
00AA64



**Achromatopsia**  
6F6F6F



**Achromatomaly**  
47846B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00AA64 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 #00AA64 looks like.

```
.text, #text, p{  
    color:#00AA64  
}
```

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 #00AA64 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00AA64
}
```

## Border

The CSS property to change the border of an element to Hex 00AA64 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
#00AA64 }
```

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

```
.border{ border-color:#00AA64 }
```

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

Here you see how a box with a 4 pixel #00AA64 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00AA64; -webkit-box-shadow:4px 4px  
4px 4px #00AA64; box-shadow:4px 4px 4px  
4px #00AA64 }
```

# Background

The CSS property to change the background color of an element to Hex 00AA64 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00AA64 }
```

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

```
.background{ background-color:#00AA64 }
```

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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