

# Converting Colors

Hex(00AF74)

Have a look what the booklet for  
Hex(00AF74) contains.

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# Color

Hex(00AF74)

# Conversions

## Conversions Part 1

Format	Color
Hex	00AF74
RGB	0, 175, 116
RGB Percent	0%, 69%, 45%
CMY	1.0000, 0.3137, 0.5451
CMYK	1.00, 0.00, 0.34, 0.31
HSL	160°, 100%, 34%
HSV	160°, 100%, 69%
XYZ	18.4824, 31.9209, 21.7102
YIQ	115.9490, -85.3610, -55.4490

# Conversions

## Conversions Part 2

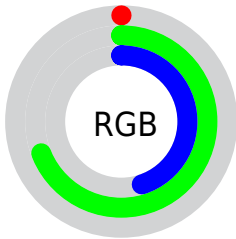
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 105, 175
Decimal	44916
CIELab	63.28, -52.04, 19.84
CIELCh	63, 55.694, 159.127
Yxy	31.9209, 0.2563, 0.4426
Android (android.graphics.Color)	4278234996 (0xFF00AF74)
YUV	115.9490, 0.0251, -101.6873
Hunter-Lab	56.4986, -40.4799, 16.7661

# Details

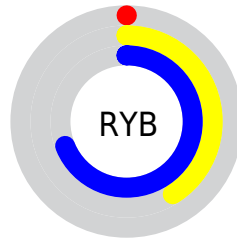
The Hex color **00AF74** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **AF003B**, and the grayscale version is **747474**.

A 20% lighter version of the original color is **5DE8A8**, and **007943** is the 20% darker color. If you saturate the color by 10%, you get **00AF74**, and if you desaturate by 10%, it is **11AF7A**.

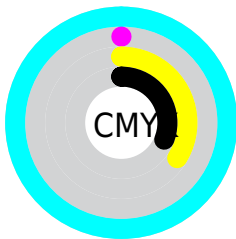
# Distribution



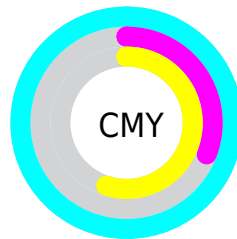
- Red (0%)
- Green (69%)
- Blue (45%)



- Red (0%)
- Yellow (41%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (31%)



- Cyan (100%)
- Magenta (31%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00AF74 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 00AF74 by changing the saturation by 10% instead.



 00AF74

 00AF74


FFFFFF

 00945B

 5DE8A8

 007943

 7CFFC4

 005F2D

 9AFFE0

 004617

 B8FFFC

 003000


 D6FFFF

 001400

 F5FFFF

 000000

 00AF74

 11AF7A

 23AF80

 35AF86

 46AF8C

 58AF92

 69AF97

 7AAF9D

 8CAFA3

 9EAFA9

# Harmonies

## Analogous

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



71A848



00AF74



00B2A7

# Triad

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



00AF74



569AFB



ED775D

# Complementary

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



00AF74



AF003B

# 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.



F46C8C



00AF74



B086E6

# Square

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



00AF74



00A8F5



E173BE



D08A3A

# Rectangle

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



00AF74



00B1C8



E173BE



F2726C



# Sweetspot

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



00AF74



9FE3CC



3DAF00



497365



F2F2F2



737373



# Same Dimension

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



00AF74



00E396



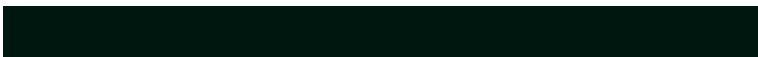
0095AF



4E5754



009664



00170F



# Inverse Universe

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



AF003B



E3004D



AF1A00



574E51



960033



170008



# Previews

## White Background



This preview shows how the Hex color 00AF74 looks on a white background.

## Color Contrast Check

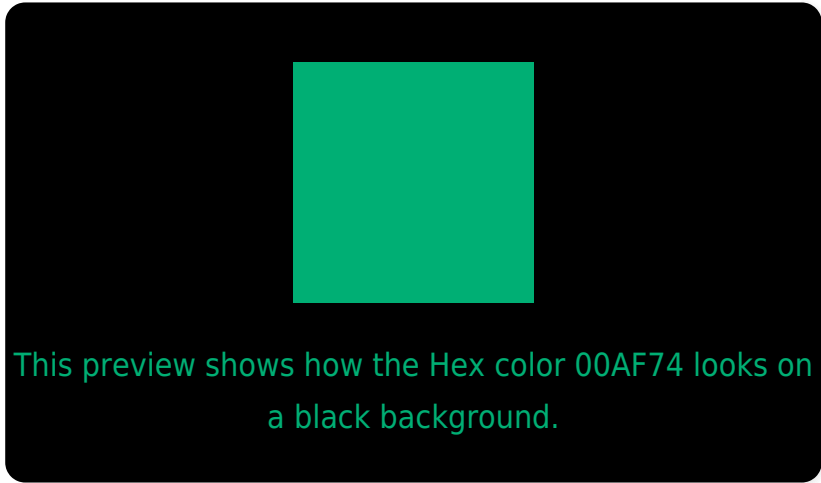
Large Text (above 18pt) WCAG AA × Fail

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

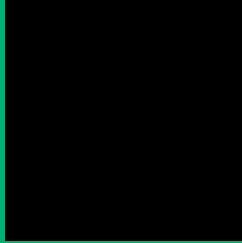
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 00AF74 Background



This preview shows how black text looks on a background with the Hex color 00AF74.

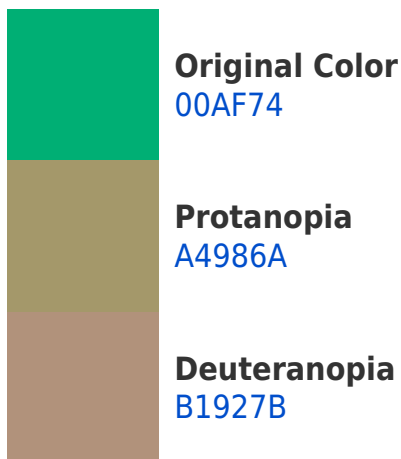


This preview shows how white text looks on a background with the Hex color 00AF74.

# 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**  
3DA7B5

# Trichromacy



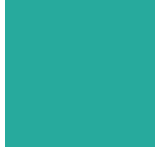
**Original Color**  
00AF74



**Protanomaly**  
68A06E



**Deuteranomaly**  
719D78



**Tritanomaly**  
27AA9D

# Monochromacy



**Original Color**  
00AF74



**Achromatopsia**  
747474



**Achromatomaly**  
4A8974

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00AF74 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 #00AF74 looks like.

```
.text, #text, p{  
    color:#00AF74  
}
```

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 #00AF74 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00AF74
}
```

## Border

The CSS property to change the border of an element to Hex 00AF74 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
#00AF74 }
```

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

```
.border{ border-color:#00AF74 }
```

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

Here you see how a box with a 4 pixel #00AF74 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00AF74; -webkit-box-shadow:4px 4px  
4px 4px #00AF74; box-shadow:4px 4px 4px  
4px #00AF74 }
```

# Background

The CSS property to change the background color of an element to Hex 00AF74 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00AF74 }
```

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

```
.background{ background-color:#00AF74 }
```

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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