

Converting Colors

Hex(00AF72)

Have a look what the booklet for
Hex(00AF72) contains.

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Color

Hex(00AF72)

Conversions

Conversions Part 1

Format	Color
Hex	00AF72
RGB	0, 175, 114
RGB Percent	0%, 69%, 45%
CMY	1.0000, 0.3137, 0.5529
CMYK	1.00, 0.00, 0.35, 0.31
HSL	159°, 100%, 34%
HSV	159°, 100%, 69%
XYZ	18.3672, 31.8748, 21.1040
YIQ	115.7210, -84.7190, -56.0710

Conversions

Conversions Part 2

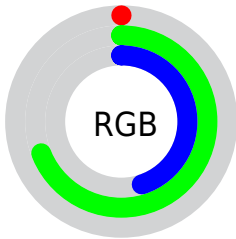
Format	Color
RYB	0, 106, 175
Decimal	44914
CIELab	63.24, -52.48, 20.88
CIELCh	63, 56.477, 158.307
Yxy	31.8748, 0.2574, 0.4468
Android (android.graphics.Color)	4278234994 (0xFF00AF72)
YUV	115.7210, -0.8485, -101.4873
Hunter-Lab	56.4578, -40.7304, 17.3578

Details

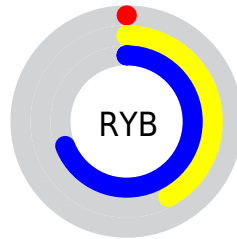
The Hex color **00AF72** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **AF003D**, and the grayscale version is **747474**.

A 20% lighter version of the original color is **5DE8A6**, and **007941** is the 20% darker color. If you saturate the color by 10%, you get **00AF72**, and if you desaturate by 10%, it is **11AF78**.

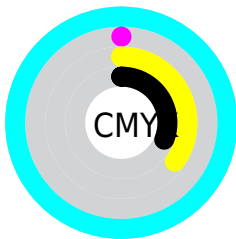
Distribution



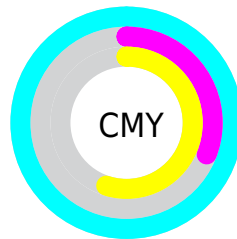
- Red (0%)
- Green (69%)
- Blue (45%)



- Red (0%)
- Yellow (42%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (31%)



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

Brightness & Saturation Gradients

These gradients show how the Hex color 00AF72 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 00AF72 by changing the saturation by 10% instead.



00AF72



00AF72

FFFFFF



009459



5DE8A6



007941



7CFFC1



005F2B



9AFFDD



004615



B8FFFA



003000



D6FFFF



001300



F5FFFF



000000



00AF72



11AF78

 23AF7E

 35AF84

 46AF8A

 58AF91

 69AF97

 7AAF9D

 8CAFA3

 9EAFA9

Harmonies

Analogous

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



71A845



00AF72



00B2A6

Triad

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



00AF72



509AFD



EE765D

Complementary

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



00AF72



AF003D

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.



F56B8D



00AF72



AE86E8

Square

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



00AF72



00A8F6



E172BF



D28939

Rectangle

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



00AF72



00B1C7



E172BF



F3716C

Sweetspot

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



00AF72



9FE3CB



3DAF00



497364



F2F2F2



737373

Same Dimension

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



00AF72



00E394



0095AF



4E5754



009662



00170F

Inverse Universe

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



AF003D



E3004F



AF1A00



574E51



960034



170008

Previews

White Background



This preview shows how the Hex color 00AF72 looks on a white background.

Color Contrast Check

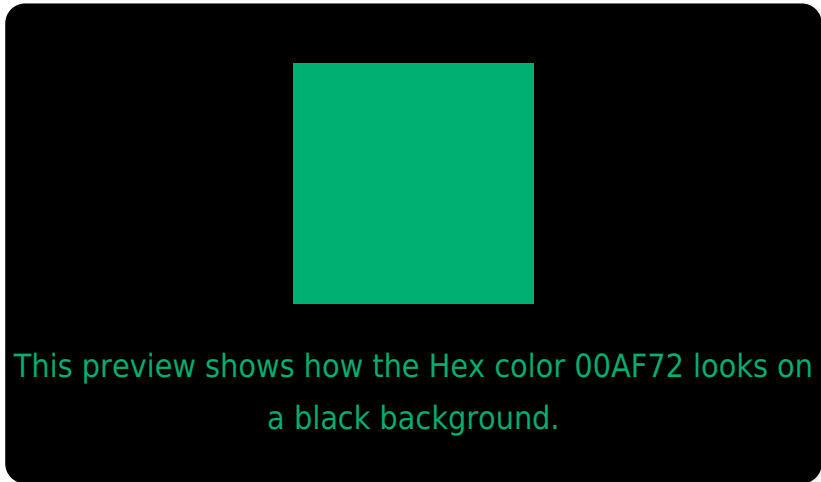
Large Text (above 18pt) WCAG AA × Fail

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

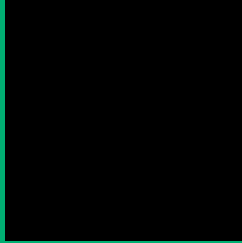
Any Text WCAG AA ✓ Pass

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 00AF72 Background



This preview shows how black text looks on a background with the Hex color 00AF72.

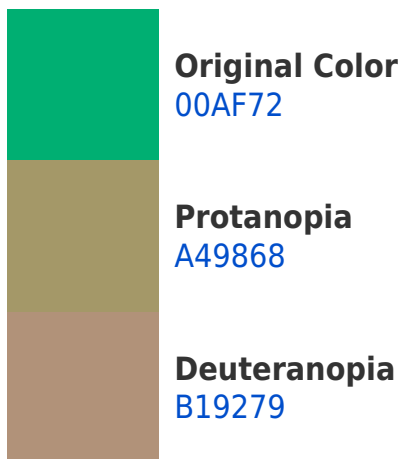


This preview shows how white text looks on a background with the Hex color 00AF72.

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
3DA7B4

Trichromacy



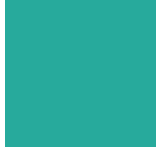
Original Color
00AF72



Protanomaly
68A06C



Deuteranomaly
719D76



Tritanomaly
27AA9C

Monochromacy



Original Color
00AF72



Achromatopsia
747474



Achromatomaly
4A8973

CSS Examples

Text

The CSS property to change the color of the text to Hex 00AF72 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 #00AF72 looks like.

```
.text, #text, p{  
    color:#00AF72  
}
```

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 #00AF72 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00AF72
}
```

Border

The CSS property to change the border of an element to Hex 00AF72 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
#00AF72 }
```

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

```
.border{ border-color:#00AF72 }
```

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

Here you see how a box with a 4 pixel #00AF72 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00AF72; -webkit-box-shadow:4px 4px  
4px 4px #00AF72; box-shadow:4px 4px 4px  
4px #00AF72 }
```

Background

The CSS property to change the background color of an element to Hex 00AF72 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00AF72 }
```

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

```
.background{ background-color:#00AF72 }
```

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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