

Converting Colors

Hex(00A872)

Have a look what the booklet for
Hex(00A872) contains.

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Color

Hex(00A872)

Conversions

Conversions Part 1

Format	Color
Hex	00A872
RGB	0, 168, 114
RGB Percent	0%, 66%, 45%
CMY	1.0000, 0.3412, 0.5529
CMYK	1.00, 0.00, 0.32, 0.34
HSL	161°, 100%, 33%
HSV	161°, 100%, 66%
XYZ	17.0399, 29.2202, 20.6616
YIQ	111.6120, -82.7940, -52.4100

Conversions

Conversions Part 2

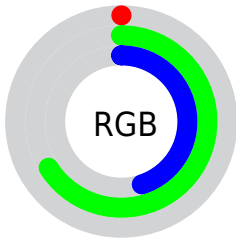
Format	Color
RYB	0, 100, 168
Decimal	43122
CIELab	60.98, -49.86, 17.79
CIELCh	61, 52.935, 160.366
Yxy	29.2202, 0.2546, 0.4366
Android (android.graphics.Color)	4278233202 (0xFF00A872)
YUV	111.6120, 1.1773, -97.8837
Hunter-Lab	54.0557, -38.3291, 15.1767

Details

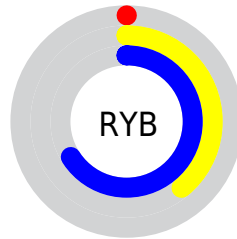
The Hex color **00A872** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **A80036**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **5BE0A6**, and **007342** is the 20% darker color. If you saturate the color by 10%, you get **00A872**, and if you desaturate by 10%, it is **11A877**.

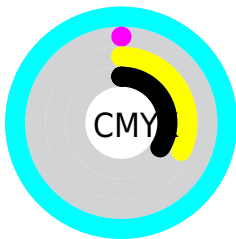
Distribution



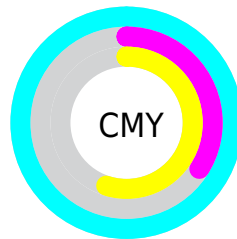
- Red (0%)
- Green (66%)
- Blue (45%)



- Red (0%)
- Yellow (39%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (34%)



- Cyan (100%)
- Magenta (34%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00A872 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 00A872 by changing the saturation by 10% instead.

 00A872

 00A872

FFFFFF

 008D59

 5BE0A6

 007342

 7AFDC1

 00592B

 98FFDD

 004016

 B5FFFA

 002A00


 D3FFFF

 000700

 F2FFFF

 000000

 00A872

 11A877

 22A87D

 32A882

 43A888

 54A88D

 65A892

 76A898

 86A89D

 97A8A3

Harmonies

Analogous

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



6BA148



00A872



00AAA2

Triad

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



00A872



5A93EF



E17459

Complementary

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



00A872



A80036

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.



E96985



00A872



AB80DB

Square

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



00A872



00A1EB



D86FB4



C68639

Rectangle

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



00A872



00A9C1



D86FB4



E76F67

Sweetspot

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



00A872



9ADBC6



38A800



466E61



EDEDED



6E6E6E

Same Dimension

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



00A872



00DB95



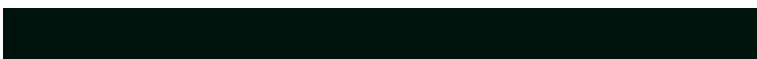
008CA8



4C5451



009464



00140E

Inverse Universe

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



A80036



DB0046



A81C00



544C4E



940030



140007

Previews

White Background



This preview shows how the Hex color 00A872 looks on a white background.

Color Contrast Check

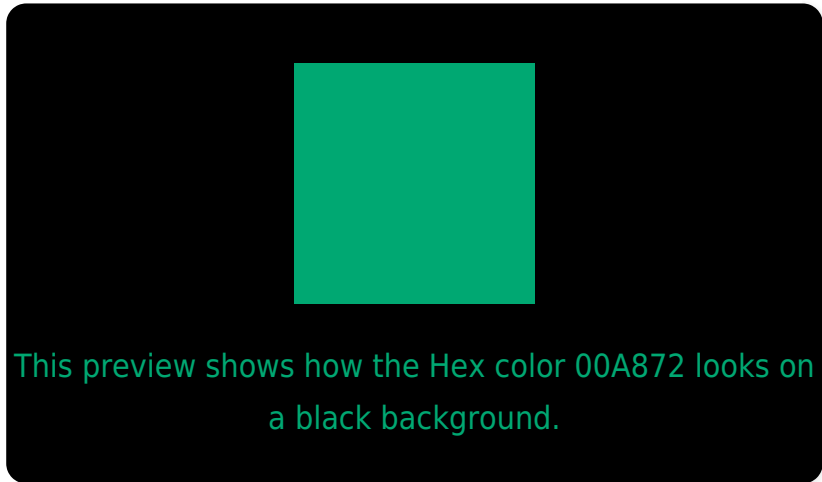
Large Text (above 18pt) WCAG AA ✓ Pass

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

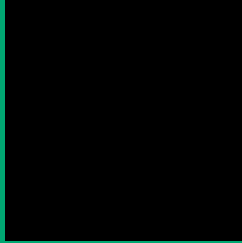
Any Text WCAG AA ✓ Pass

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 00A872 Background



This preview shows how black text looks on a background with the Hex color 00A872.



This preview shows how white text looks on a background with the Hex color 00A872.

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
00A872

Protanopia
9D9268

Deuteranopia
A98D78



Tritanopia
3AA1AE

Trichromacy



Original Color
00A872



Protanomaly
649A6C



Deuteranomaly
6C9776



Tritanomaly
25A498

Monochromacy



Original Color
00A872



Achromatopsia
707070



Achromatomaly
478471

CSS Examples

Text

The CSS property to change the color of the text to Hex 00A872 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 #00A872 looks like.

```
.text, #text, p{  
    color:#00A872  
}
```

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 #00A872 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00A872
}
```

Border

The CSS property to change the border of an element to Hex 00A872 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
#00A872 }
```

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

```
.border{ border-color:#00A872 }
```

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

Here you see how a box with a 4 pixel #00A872 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00A872; -webkit-box-shadow:4px 4px  
4px 4px #00A872; box-shadow:4px 4px 4px  
4px #00A872 }
```

Background

The CSS property to change the background color of an element to Hex 00A872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00A872 }
```

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

```
.background{ background-color:#00A872 }
```

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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