

Converting Colors

Hex(00A870)

Have a look what the booklet for
Hex(00A870) contains.

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Color

Hex(00A870)

Conversions

Conversions Part 1

Format	Color
Hex	00A870
RGB	0, 168, 112
RGB Percent	0%, 66%, 44%
CMY	1.0000, 0.3412, 0.5608
CMYK	1.00, 0.00, 0.33, 0.34
HSL	160°, 100%, 33%
HSV	160°, 100%, 66%
XYZ	16.9273, 29.1751, 20.0684
YIQ	111.3840, -82.1520, -53.0320

Conversions

Conversions Part 2

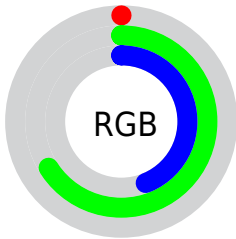
Format	Color
RYB	0, 101, 168
Decimal	43120
CIELab	60.94, -50.31, 18.83
CIElCh	61, 53.718, 159.481
Yxy	29.1751, 0.2558, 0.4409
Android (android.graphics.Color)	4278233200 (0xFF00A870)
YUV	111.3840, 0.3037, -97.6838
Hunter-Lab	54.0140, -38.5850, 15.7811

Details

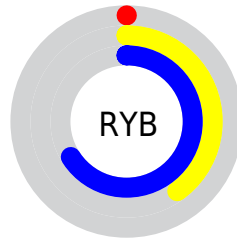
The Hex color **00A870** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **A80038**, and the grayscale version is **6F6F6F**.

A 20% lighter version of the original color is **5BE0A4**, and **007340** is the 20% darker color. If you saturate the color by 10%, you get **00A870**, and if you desaturate by 10%, it is **11A876**.

Distribution



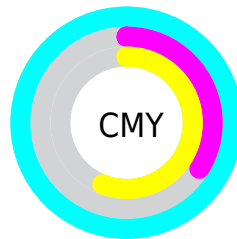
- Red (0%)
- Green (66%)
- Blue (44%)



- Red (0%)
- Yellow (40%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (34%)



- Cyan (100%)
- Magenta (34%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00A870 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 00A870 by changing the saturation by 10% instead.

 00A870

 00A870

FFFFFF

 008D57

 5BE0A4

 007340

 7AFDBF

 005929

 98FFDB

 004014

 B5FFF8

 002A00


 D3FFFF

 000600

 F2FFFF

 000000

 00A870

 11A876

 22A87B

 32A881

 43A886

 54A88C

 65A892

 76A897

 86A89D

 97A8A2

Harmonies

Analogous

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



6CA146



00A870



00AAA1

Triad

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



00A870



5593F1



E37359

Complementary

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



00A870



A80038

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.



EA6886



00A870



A980DD

Square

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



00A870



00A1EB



D86EB5



C78538

Rectangle

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



00A870



00AAC0



D86EB5



E86E67

Sweetspot

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



00A870



9ADBC5



38A800



466E60



EDEDED



6E6E6E

Same Dimension

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



00A870



00DB92



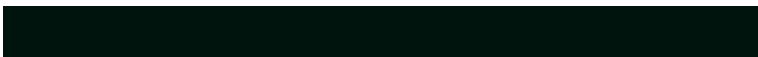
008CA8



4C5451



009463



00140E

Inverse Universe

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



A80038



DB0049



A81C00



544C4F



940031



140007

Previews

White Background



This preview shows how the Hex color 00A870 looks on a white background.

Color Contrast Check

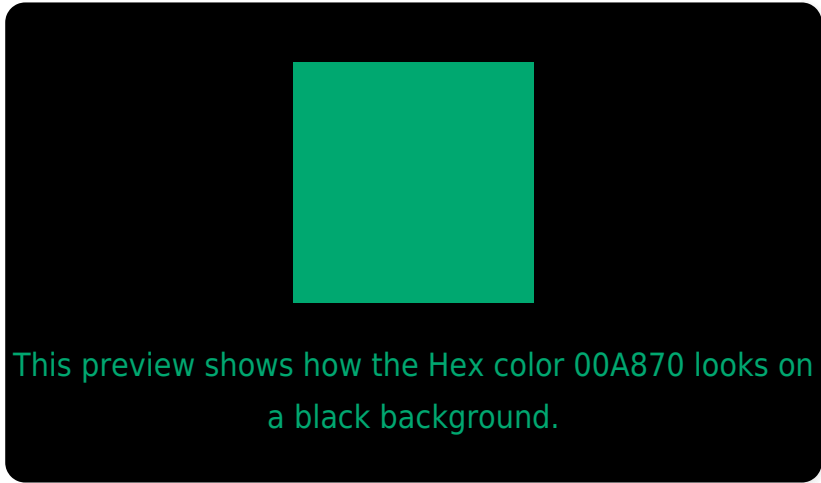
Large Text (above 18pt) WCAG AA ✓ Pass

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

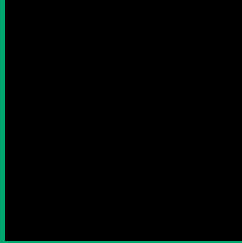
Any Text WCAG AA ✓ Pass

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 00A870 Background



This preview shows how black text looks on a background with the Hex color 00A870.



This preview shows how white text looks on a background with the Hex color 00A870.

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](#).

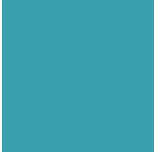
Dichromacy



Original Color
00A870

Protanopia
9E9266

Deuteranopia
AA8C76



Trichromacy



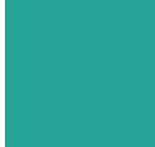
Original Color
00A870



Protanomaly
659A6A



Deuteranomaly
6C9674



Tritanomaly
25A397

Monochromacy



Original Color
00A870



Achromatopsia
6F6F6F



Achromatomaly
47846F

CSS Examples

Text

The CSS property to change the color of the text to Hex 00A870 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 #00A870 looks like.

```
.text, #text, p{  
    color:#00A870  
}
```

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 #00A870 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00A870
}
```

Border

The CSS property to change the border of an element to Hex 00A870 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
#00A870 }
```

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

```
.border{ border-color:#00A870 }
```

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

Here you see how a box with a 4 pixel #00A870 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00A870; -webkit-box-shadow:4px 4px  
4px 4px #00A870; box-shadow:4px 4px 4px  
4px #00A870 }
```

Background

The CSS property to change the background color of an element to Hex 00A870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00A870 }
```

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

```
.background{ background-color:#00A870 }
```

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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