

# Converting Colors

Hex(1CA870)

Have a look what the booklet for  
Hex(1CA870) contains.

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**Color**

**Hex(1CA870)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1CA870
RGB	28, 168, 112
RGB Percent	11%, 66%, 44%
CMY	0.8902, 0.3412, 0.5608
CMYK	0.83, 0.00, 0.33, 0.34
HSL	156°, 71%, 38%
HSV	156°, 83%, 66%
XYZ	17.4062, 29.4220, 20.0908
YIQ	119.7560, -65.4640, -47.0960

# Conversions

## Conversions Part 2

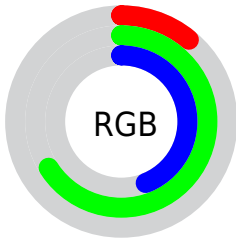
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	28, 116, 168
Decimal	1878128
CIE <sub>Lab</sub>	61.15, -48.61, 19.16
CIE <sub>LCh</sub>	61, 52.253, 158.490
Yxy	29.4220, 0.2601, 0.4397
Android (android.graphics.Color)	4280068208 (0xFF1CA870)
YUV	119.7560, -3.8237, -80.4700
Hunter-Lab	54.2420, -37.6433, 16.0089

# Details

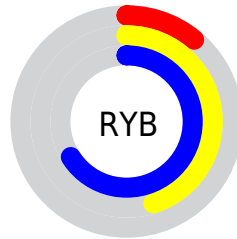
The Hex color **1CA870** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **A81C54**, and the grayscale version is **787878**.

A 20% lighter version of the original color is **63E0A4**, and **007340** is the 20% darker color. If you saturate the color by 10%, you get **0BA869**, and if you desaturate by 10%, it is **2DA877**.

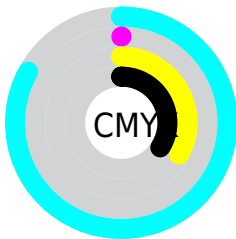
# Distribution



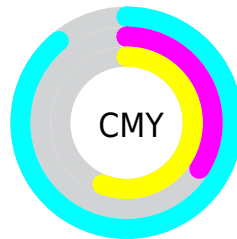
- Red (11%)
- Green (66%)
- Blue (44%)



- Red (11%)
- Yellow (45%)
- Blue (66%)



- Cyan (83%)
- Magenta (0%)
- Yellow (33%)
- Black (34%)



- Cyan (89%)
- Magenta (34%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1CA870 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 1CA870 by changing the saturation by 10% instead.



 1CA870

 1CA870

FFFFFF

 008D57

 63E0A4

 007340

 81FDBF

 005929

 9EFFDB

 004014

 BCFFF8

 002B00

 DAFFFF

 000800

 F8FFFF

 000000

 1CA870

 1CA870

 0BA869

 2DA877

■ 00A865

■ 3EA87D

■ 4EA884

■ 5FA88B

■ 70A892

■ 81A898

■ 92A89F

■ A2A8A6

■ B3A8AC

# Harmonies

## Analogous

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



6FA147



1CA870



00AAA0

# Triad

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



1CA870



5594EF



E2745C

# Complementary

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



1CA870



A81C54

# 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.



E96A88



1CA870



A882DC

# Square

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



1CA870



00A2E9



D671B6



C8853C

# Rectangle

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



1CA870



00AABE



D671B6



E76F6A



# Sweetspot

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



1CA870



A4DBC5



54A81C



4D6E60



EDEDED



6E6E6E



# Same Dimension

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



1CA870



00DB84



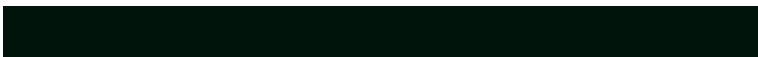
1C9AA8



4C5451



009459



00140C



# Inverse Universe

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



A81C54



DB0058



A82A1C



544C4F



94003B



140008



# Previews

## White Background



This preview shows how the Hex color 1CA870 looks on a white background.

## Color Contrast Check

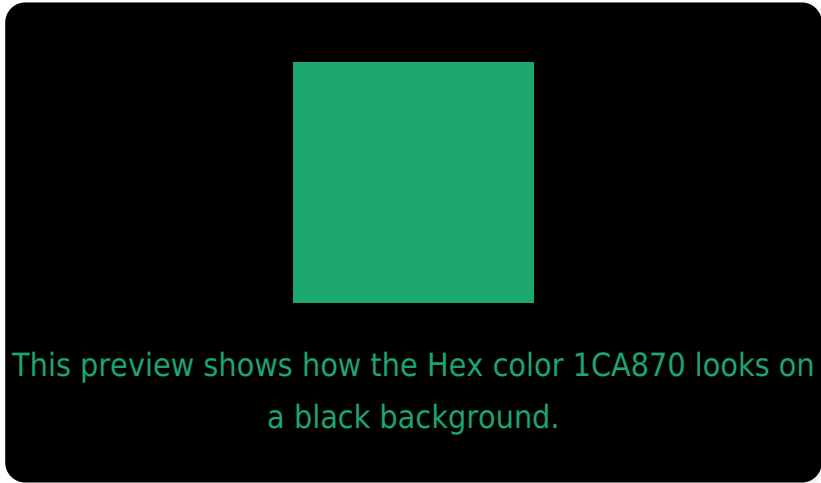
Large Text (above 18pt) WCAG AA ✓ Pass

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

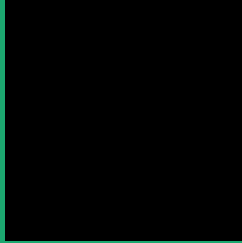
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 1CA870 Background



This preview shows how black text looks on a background with the Hex color 1CA870.



This preview shows how white text looks on a background with the Hex color 1CA870.

# 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](#).

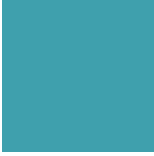
## Dichromacy



**Original Color**  
1CA870

**Protanopia**  
9E9267

**Deuteranopia**  
AA8D76



# Trichromacy



**Original Color**  
1CA870



**Protanomaly**  
6F9A6A



**Deuteranomaly**  
769774



**Tritanomaly**  
32A397

# Monochromacy



**Original Color**  
1CA870



**Achromatopsia**  
787878



**Achromatomaly**  
578975

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1CA870 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 #1CA870 looks like.

```
.text, #text, p{  
    color:#1CA870  
}
```

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 #1CA870 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1CA870
}
```

## Border

The CSS property to change the border of an element to Hex 1CA870 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
#1CA870 }
```

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

```
.border{ border-color:#1CA870 }
```

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

Here you see how a box with a 4 pixel #1CA870 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1CA870; -webkit-box-shadow:4px 4px  
4px 4px #1CA870; box-shadow:4px 4px 4px  
4px #1CA870 }
```

# Background

The CSS property to change the background color of an element to Hex 1CA870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1CA870 }
```

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

```
.background{ background-color:#1CA870 }
```

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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