

# Converting Colors

Hex(1CAF96)

Have a look what the booklet for  
Hex(1CAF96) contains.

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**Color**

**Hex(1CAF96)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1CAF96
RGB	28, 175, 150
RGB Percent	11%, 69%, 59%
CMY	0.8902, 0.3137, 0.4118
CMYK	0.84, 0.00, 0.14, 0.31
HSL	170°, 72%, 40%
HSV	170°, 84%, 69%
XYZ	21.3139, 33.1088, 34.1214
YIQ	128.1970, -79.5870, -38.9390

# Conversions

## Conversions Part 2

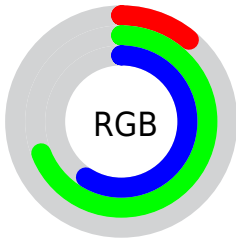
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	28, 108, 175
Decimal	1879958
CIE <sub>Lab</sub>	64.25, -42.13, 2.51
CIE <sub>LCh</sub>	64, 42.206, 176.587
Yxy	33.1088, 0.2407, 0.3739
Android (android.graphics.Color)	4280070038 (0xFF1CAF96)
YUV	128.1970, 10.7489, -87.8728
Hunter-Lab	57.5403, -34.5761, 5.1192

# Details

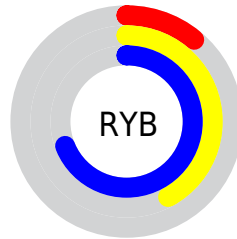
The Hex color **1CAF96** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **AF1C35**, and the grayscale version is **808080**.

A 20% lighter version of the original color is **66E7CC**, and **007963** is the 20% darker color. If you saturate the color by 10%, you get **0BAF93**, and if you desaturate by 10%, it is **2EAF99**.

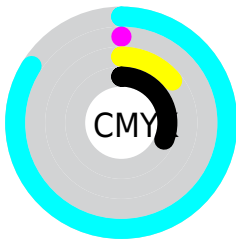
# Distribution



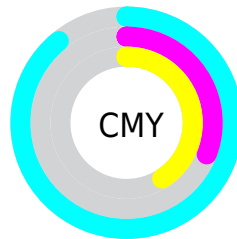
- Red (11%)
- Green (69%)
- Blue (59%)



- Red (11%)
- Yellow (42%)
- Blue (69%)



- Cyan (84%)
- Magenta (0%)
- Yellow (14%)
- Black (31%)



- Cyan (89%)
- Magenta (31%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1CAF96 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 1CAF96 by changing the saturation by 10% instead.



 1CAF96

 1CAF96

FFFFFF

 00947C

 66E7CC

 007963

 85FFE8

 00604B

 A3FFFF

 004735

 C1FFFF

 003020

 DFFFFF

 001809

FDFFFF

 000000

 1CAF96

 1CAF96

 0BAF93

 2EAF99

■ 00AF91

■ 3FAF9C

■ 51AF9F

■ 62AFA2

■ 73AFA5

■ 85AFA8

■ 97AFAB

■ A8AFAE

■ BAAFB1

# Harmonies

## Analogous

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



64AB71



1CAF96



00AFBC

# Triad

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



1CAF96



9994DF



D48B5E

# Complementary

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



1CAF96



AF1C35

# 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.



E3807C



1CAF96



C786C6

# Square

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



1CAF96



55A1E7



DF7DA2



B7984F

# Rectangle

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



1CAF96



00ACD1



DF7DA2



DA8667



# Sweetspot

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



1CAF96



AAE3D9



37AF1C



50736D



F2F2F2



737373

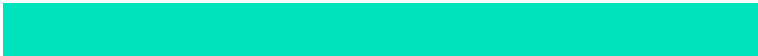


# Same Dimension

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



1CAF96



00E3BC



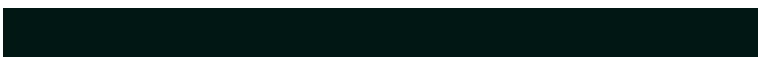
1C80AF



4E5755



00967D



001713



# Inverse Universe

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



AF1C35



E30027



AF4B1C



574E50



96001A

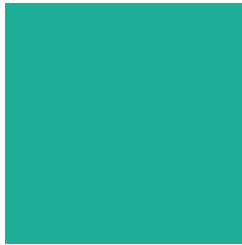


170004



# Previews

## White Background



This preview shows how the Hex color 1CAF96 looks on a white background.

## Color Contrast Check

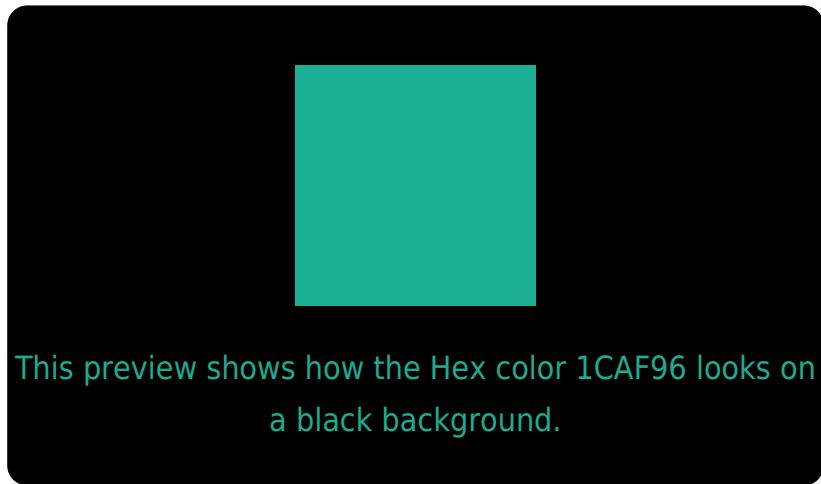
Large Text (above 18pt) WCAG AA × Fail

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

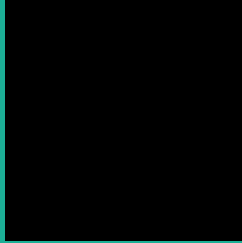
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 1CAF96 Background



This preview shows how black text looks on a background with the Hex color 1CAF96.

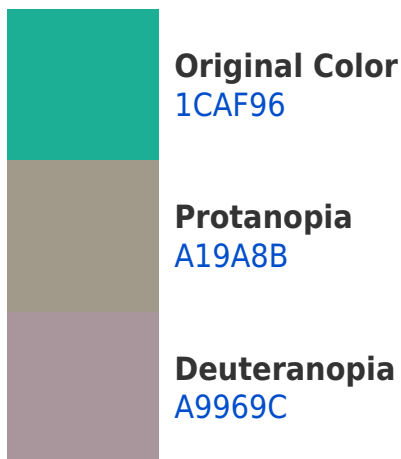


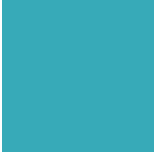
This preview shows how white text looks on a background with the Hex color 1CAF96.

# 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**  
37AAB8

# Trichromacy



**Original Color**  
1CAF96



**Protanomaly**  
71A28F



**Deuteranomaly**  
769F9A



**Tritanomaly**  
2DACAC

# Monochromacy



**Original Color**  
1CAF96



**Achromatopsia**  
808080



**Achromatomaly**  
5C9188

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1CAF96 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 #1CAF96 looks like.

```
.text, #text, p{  
    color:#1CAF96  
}
```

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 #1CAF96 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1CAF96
}
```

## Border

The CSS property to change the border of an element to Hex 1CAF96 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
#1CAF96 }
```

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

```
.border{ border-color:#1CAF96 }
```

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

Here you see how a box with a 4 pixel #1CAF96 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1CAF96; -webkit-box-shadow:4px 4px  
4px 4px #1CAF96; box-shadow:4px 4px 4px  
4px #1CAF96 }
```

# Background

The CSS property to change the background color of an element to Hex 1CAF96 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1CAF96 }
```

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

```
.background{ background-color:#1CAF96 }
```

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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