

# Converting Colors

Hex(12AA84)

Have a look what the booklet for  
Hex(12AA84) contains.

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**Color**

**Hex(12AA84)**

# Conversions

## Conversions Part 1

Format	Color
Hex	12AA84
RGB	18, 170, 132
RGB Percent	7%, 67%, 52%
CMY	0.9294, 0.3333, 0.4824
CMYK	0.89, 0.00, 0.22, 0.33
HSL	165°, 81%, 37%
HSV	165°, 89%, 67%
XYZ	18.7890, 30.5440, 26.7351
YIQ	120.2200, -78.3940, -44.0420

# Conversions

## Conversions Part 2

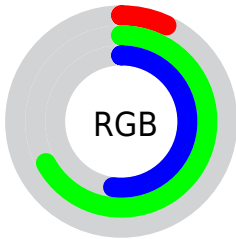
<b>Format</b>	<b>Color</b>
<b>RYB</b>	18, 105, 170
Decimal	1223300
CIELab	62.12, -45.46, 9.45
CIElCh	62, 46.432, 168.254
Yxy	30.5440, 0.2470, 0.4015
Android (android.graphics.Color)	4279413380 (0xFF12AA84)
YUV	120.2200, 5.8075, -89.6469
Hunter-Lab	55.2666, -36.0318, 10.0052

# Details

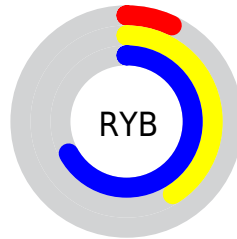
The Hex color **12AA84** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **AA1238**, and the grayscale version is **787878**.

A 20% lighter version of the original color is **61E2B9**, and **007553** is the 20% darker color. If you saturate the color by 10%, you get **01AA80**, and if you desaturate by 10%, it is **23AA88**.

# Distribution



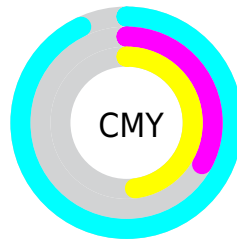
- Red (7%)
- Green (67%)
- Blue (52%)



- Red (7%)
- Yellow (41%)
- Blue (67%)



- Cyan (89%)
- Magenta (0%)
- Yellow (22%)
- Black (33%)



- Cyan (93%)
- Magenta (33%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 12AA84 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 12AA84 by changing the saturation by 10% instead.



 12AA84

 12AA84

FFFFFF

 008F6B

 61E2B9

 007553

 7FFFD5

 005B3B

 9DFFF1

 004226

 BBFFFF

 002C11

 D9FFFF

 000E00

 F7FFFF

 000000

 12AA84

 12AA84

 01AA80

 23AA88

00AA7F

34AA8C

45AA91

56AA95

67AA99

78AA9D

89AAA2

9AAAA6

ABAAAA

# Harmonies

## Analogous

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



66A55D



12AA84



00ABAF

# Triad

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



12AA84



7F92E4



D87F5A

# Complementary

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



12AA84



AA1238

# 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.



E4747F



12AA84



B981CD

# Square

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



12AA84



009FE6



DA75A8



BC8E44

# Rectangle

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



12AA84



00A9C8



DA75A8



DE7B65



# Sweetspot

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



12AA84



A2DEC F



38AA12



4C7067



F0F0F0



707070



# Same Dimension

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



12AA84



00DEA6



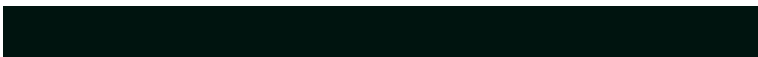
1284AA



4C5452



00946F



00140F



# Inverse Universe

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



AA1238



DE0037



AA3812



544C4E



940025



140005



# Previews

## White Background



This preview shows how the Hex color 12AA84 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



This preview shows how the Hex color 12AA84 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

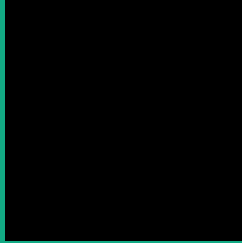
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 12AA84 Background



This preview shows how black text looks on a background with the Hex color 12AA84.

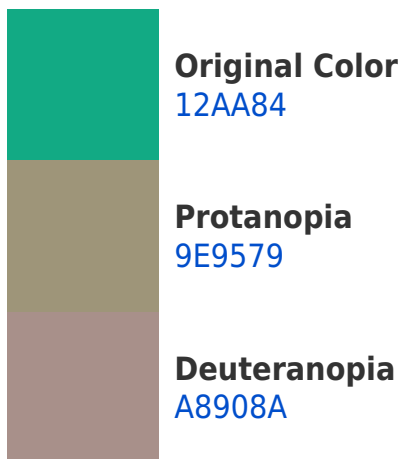


This preview shows how white text looks on a background with the Hex color 12AA84.

# 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](#).

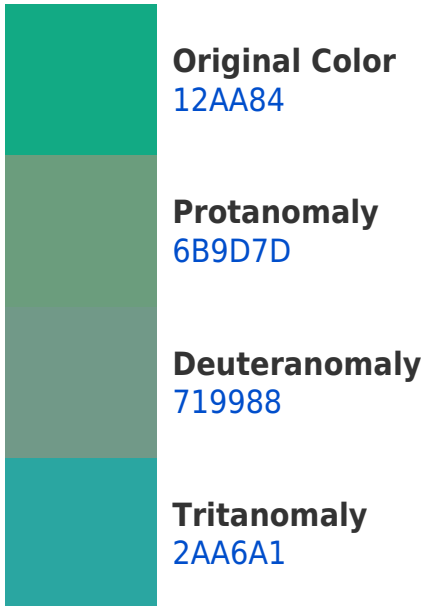
## Dichromacy



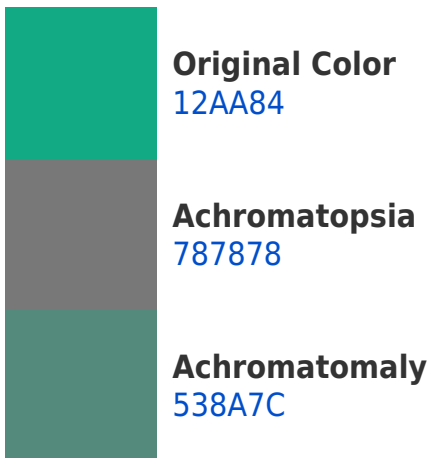


**Tritanopia**  
37A4B1

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12AA84 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 #12AA84 looks like.

```
.text, #text, p{  
    color:#12AA84  
}
```

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 #12AA84 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12AA84
}
```

## Border

The CSS property to change the border of an element to Hex 12AA84 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
#12AA84 }
```

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

```
.border{ border-color:#12AA84 }
```

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

Here you see how a box with a 4 pixel #12AA84 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12AA84; -webkit-box-shadow:4px 4px  
4px 4px #12AA84; box-shadow:4px 4px 4px  
4px #12AA84 }
```

# Background

The CSS property to change the background color of an element to Hex 12AA84 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12AA84 }
```

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

```
.background{ background-color:#12AA84 }
```

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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