

# Converting Colors

Hex(12CE8F)

Have a look what the booklet for  
Hex(12CE8F) contains.

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# Color

Hex(12CE8F)

# Conversions

## Conversions Part 1

Format	Color
Hex	12CE8F
RGB	18, 206, 143
RGB Percent	7%, 81%, 56%
CMY	0.9294, 0.1922, 0.4392
CMYK	0.91, 0.00, 0.31, 0.19
HSL	160°, 84%, 44%
HSV	160°, 91%, 81%
XYZ	27.2787, 46.2544, 33.4769
YIQ	142.6060, -91.8250, -59.4490

# Conversions

## Conversions Part 2

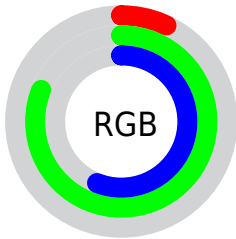
<b>Format</b>	<b>Color</b>
<b>RYB</b>	18, 131, 206
Decimal	1232527
CIELab	73.71, -56.87, 19.69
CIELCh	74, 60.182, 160.907
Yxy	46.2544, 0.2549, 0.4322
Android (android.graphics.Color)	4279422607 (0xFF12CE8F)
YUV	142.6060, 0.1942, -109.2795
Hunter-Lab	68.0106, -47.4231, 18.4231

# Details

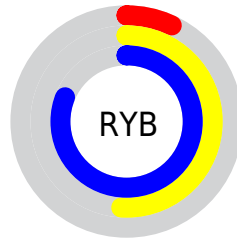
The Hex color **12CE8F** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **CE1251**, and the grayscale version is **8F8F8F**.

A 20% lighter version of the original color is **6AFFC5**, and **00965C** is the 20% darker color. If you saturate the color by 10%, you get **00CE89**, and if you desaturate by 10%, it is **27CE96**.

# Distribution



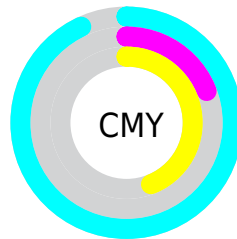
- Red (7%)
- Green (81%)
- Blue (56%)



- Red (7%)
- Yellow (51%)
- Blue (81%)



- Cyan (91%)
- Magenta (0%)
- Yellow (31%)
- Black (19%)



- Cyan (93%)
- Magenta (19%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 12CE8F 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 12CE8F by changing the saturation by 10% instead.



 12CE8F

 12CE8F

FFFFFF

 00B275

 6AFFC5

 00965C

 8AFFE1

 007B44

 A9FFFE

 00612E

 C8FFFF

 004818

 E7FFFF

 003100

 001500

 000000

 12CE8F

 12CE8F

■ 00CE89

■ 27CE96

■ 3BCE9D

■ 50CEA4

■ 64CEAB

■ 79CEB2

■ 8ECEB8

■ A2CEBF

■ B7CEC6

■ CBCECD

# Harmonies

## Analogous

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



84C65D



12CE8F



00D1C8

# Triad

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



12CE8F



76B4FF



FF916F

# Complementary

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



12CE8F



CE1251

# 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.



FF84A3



12CE8F



D39EFF

# Square

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



12CE8F



00C5FF



FF8ADB



F1A54A

# Rectangle

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



12CE8F



00CFEC



FF8ADB



FF8B7F

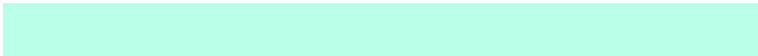


# Sweetspot

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



12CE8F



BAFFE8



54CE12



578072



000000



808080



# Same Dimension

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



12CE8F



00FFAA



12B2CE



5C6663



00A66E



002619



# Inverse Universe

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



CE1251



FF0055



CE2E12



665C5F



A60038

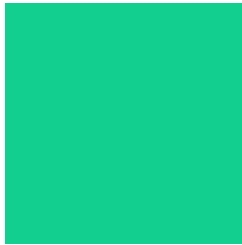


26000D



# Previews

## White Background



This preview shows how the Hex color 12CE8F looks on a white background.

## Color Contrast Check

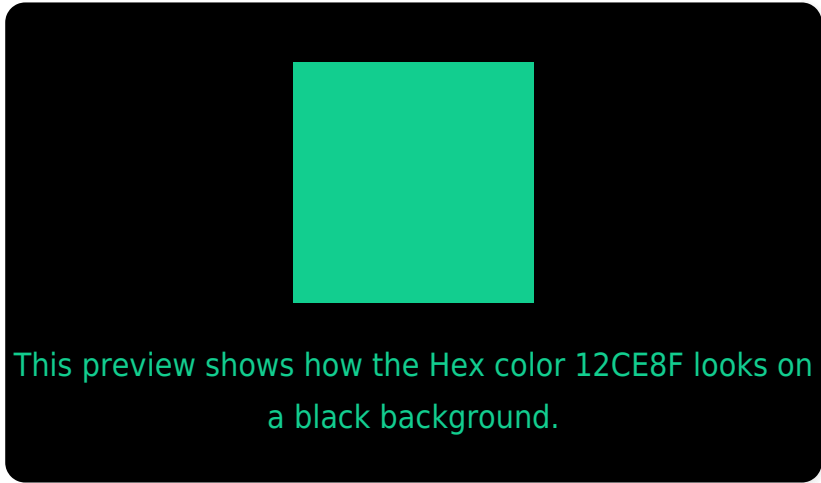
Large Text (above 18pt) WCAG AA × Fail

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

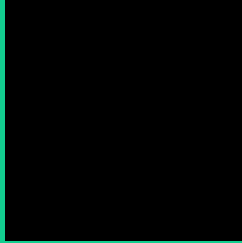
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 12CE8F Background



This preview shows how black text looks on a background with the Hex color 12CE8F.

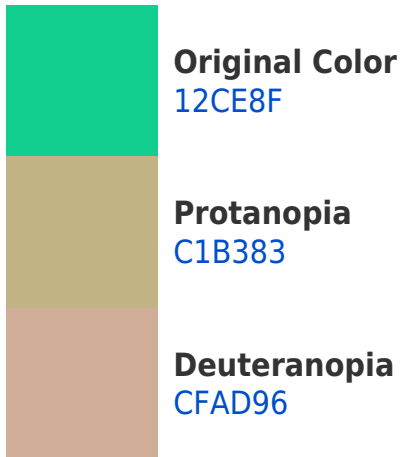


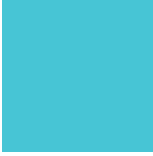
This preview shows how white text looks on a background with the Hex color 12CE8F.

# 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](#).

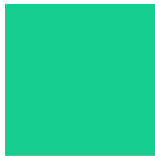
## Dichromacy





**Tritanopia**  
47C5D5

# Trichromacy



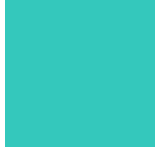
**Original Color**  
12CE8F



**Protanomaly**  
81BD87



**Deuteranomaly**  
8AB993



**Tritanomaly**  
34C8BC

# Monochromacy



**Original Color**  
12CE8F



**Achromatopsia**  
8F8F8F



**Achromatomaly**  
62A68F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12CE8F 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 #12CE8F looks like.

```
.text, #text, p{  
    color:#12CE8F  
}
```

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 #12CE8F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12CE8F
}
```

## Border

The CSS property to change the border of an element to Hex 12CE8F 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
#12CE8F }
```

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

```
.border{ border-color:#12CE8F }
```

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

Here you see how a box with a 4 pixel #12CE8F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12CE8F; -webkit-box-shadow:4px 4px  
4px 4px #12CE8F; box-shadow:4px 4px 4px  
4px #12CE8F }
```

# Background

The CSS property to change the background color of an element to Hex 12CE8F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12CE8F }
```

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

```
.background{ background-color:#12CE8F }
```

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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