

# Converting Colors

Hex(12B997)

Have a look what the booklet for  
Hex(12B997) contains.

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**Color**

**Hex(12B997)**

# Conversions

## Conversions Part 1

Format	Color
Hex	12B997
RGB	18, 185, 151
RGB Percent	7%, 73%, 59%
CMY	0.9294, 0.2745, 0.4078
CMYK	0.90, 0.00, 0.18, 0.27
HSL	168°, 82%, 40%
HSV	168°, 90%, 73%
XYZ	23.1843, 37.0609, 35.2097
YIQ	131.1910, -88.6180, -45.9780

# Conversions

## Conversions Part 2

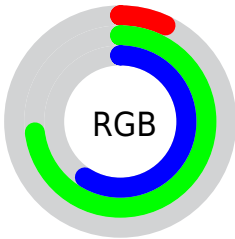
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">18, 111, 185</a>
Decimal	<a href="#">1227159</a>
CIELab	<a href="#">67.32, -46.74, 6.38</a>
CIElCh	<a href="#">67, 47.175, 172.224</a>
Yxy	<a href="#">37.0609, 0.2429, 0.3883</a>
Android (android.graphics.Color)	<a href="#">4279417239 (0xFF12B997)</a>
YUV	<a href="#">131.1910, 9.7658, -99.2685</a>
Hunter-Lab	<a href="#">60.8777, -38.5569, 8.3229</a>

# Details

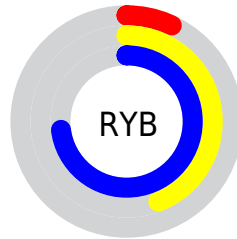
The Hex color **12B997** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **B91234**, and the grayscale version is **838383**.

A 20% lighter version of the original color is **65F2CD**, and **008364** is the 20% darker color. If you saturate the color by 10%, you get **00B993**, and if you desaturate by 10%, it is **25B99B**.

# Distribution



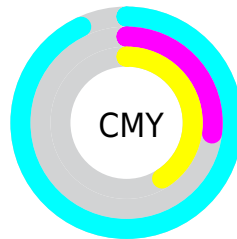
- Red (7%)
- Green (73%)
- Blue (59%)



- Red (7%)
- Yellow (44%)
- Blue (73%)



- Cyan (90%)
- Magenta (0%)
- Yellow (18%)
- Black (27%)



- Cyan (93%)
- Magenta (27%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 12B997 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 12B997 by changing the saturation by 10% instead.



 12B997

 12B997

FFFFFF

 009E7D

 65F2CD

 008364

 84FFE9

 00694C

 A3FFFF

 005036

 C1FFFF

 003720

 E0FFFF

 00210A

FEFFFF

 000000

 12B997

 12B997

 00B993

 25B99B

 37B99F

 49B9A2

 5CB9A6

 6EB9AA

 81B9AE

 93B9B1

 A6B9B5

 B8B9B9

# Harmonies

## Analogous

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



6CB46E



12B997



00B9C3

# Triad

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



12B997



969DF3



E68E62

# Complementary

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



12B997



B91234

# 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.



F48286



12B997



CE8DD8

# Square

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



12B997



3BACF8



ED82B1



C79E4E

# Rectangle

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



12B997



00B7DC



ED82B1



ED8A6D



# Sweetspot

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



12B997



AFF0E3



36B912



517870



F7F7F7



787878



# Same Dimension

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



12B997



00F0BF



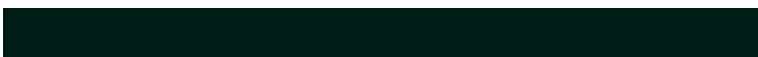
128AB9



535C5A



009C7C



001C16



# Inverse Universe

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



B91234



F00031



B94112



5C5354



9C0020

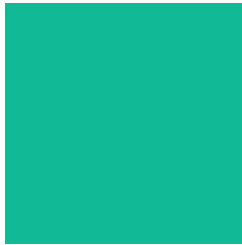


1C0006



# Previews

## White Background



This preview shows how the Hex color 12B997 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 12B997 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 12B997 Background



This preview shows how black text looks on a background with the Hex color 12B997.

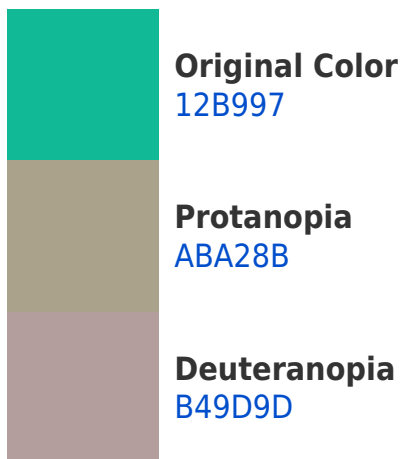


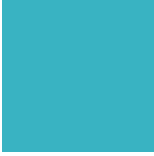
This preview shows how white text looks on a background with the Hex color 12B997.

# 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**  
39B3C2

# Trichromacy



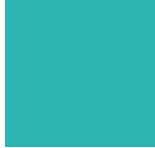
**Original Color**  
12B997



**Protanomaly**  
73AA8F



**Deuteranomaly**  
79A79B



**Tritanomaly**  
2BB5B2

# Monochromacy



**Original Color**  
12B997



**Achromatopsia**  
838383



**Achromatomaly**  
5A978A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12B997 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 #12B997 looks like.

```
.text, #text, p{  
    color:#12B997  
}
```

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 #12B997 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12B997
}
```

## Border

The CSS property to change the border of an element to Hex 12B997 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
#12B997 }
```

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

```
.border{ border-color:#12B997 }
```

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

Here you see how a box with a 4 pixel #12B997 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12B997; -webkit-box-shadow:4px 4px  
4px 4px #12B997; box-shadow:4px 4px 4px  
4px #12B997 }
```

# Background

The CSS property to change the background color of an element to Hex 12B997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12B997 }
```

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

```
.background{ background-color:#12B997 }
```

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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