

# Converting Colors

Hex(12BE9E)

Have a look what the booklet for  
Hex(12BE9E) contains.

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# Color

Hex(12BE9E)

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 12BE9E                       |
| RGB         | 18, 190, 158                 |
| RGB Percent | 7%, 75%, 62%                 |
| CMY         | 0.9294, 0.2549, 0.3804       |
| CMYK        | 0.91, 0.00, 0.17, 0.25       |
| HSL         | 169°, 83%, 41%               |
| HSV         | 169°, 91%, 75%               |
| XYZ         | 24.8345, 39.4241, 38.6485    |
| YIQ         | 134.9240, -92.2400, -46.4160 |

# Conversions

## Conversions Part 2

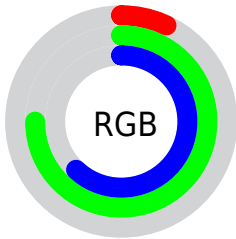
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 18, 113, 190                    |
| Decimal                             | 1228446                         |
| CIELab                              | 69.06, -46.98, 5.04             |
| CIELCh                              | 69, 47.246, 173.873             |
| Yxy                                 | 39.4241, 0.2413,<br>0.3831      |
| Android<br>(android.graphics.Color) | 4279418526<br>(0xFF12BE9E)      |
| YUV                                 | 134.9240, 11.3765,<br>-102.5423 |
| Hunter-Lab                          | 62.7886, -39.2789,<br>7.4571    |

# Details

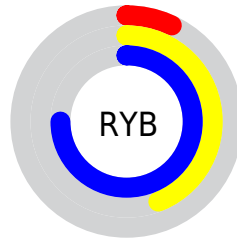
The Hex color **12BE9E** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **BE1232**, and the grayscale version is **878787**.

A 20% lighter version of the original color is **67F7D5**, and **00876B** is the 20% darker color. If you saturate the color by 10%, you get **00BE9B**, and if you desaturate by 10%, it is **25BEA2**.

# Distribution



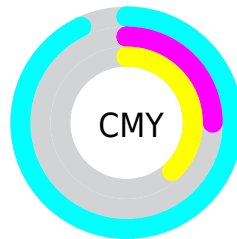
- Red (7%)
- Green (75%)
- Blue (62%)



- Red (7%)
- Yellow (44%)
- Blue (75%)



- Cyan (91%)
- Magenta (0%)
- Yellow (17%)
- Black (25%)



- Cyan (93%)
- Magenta (25%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 12BE9E 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 12BE9E by changing the saturation by 10% instead.



 12BE9E

 12BE9E

FFFFFF

 00A284

 67F7D5

 00876B

 86FFF1

 006D53

 A5FFFF

 00543C

 C3FFFF

 003B26

 E2FFFF

 002611

 000000

 12BE9E

 12BE9E

 00BE9B

 25BEA2

 38BEA5

 4BBEA9

 5EBEAC

 71BEB0

 84BEB3

 97BEB7

 AABEBA

 BDBEBE

# Harmonies

## Analogous

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



6DB974



12BE9E



00BECA

# Triad

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



12BE9E



9EA1F7



EA9465

# Complementary

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



12BE9E



BE1232

# 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.



F98788



12BE9E



D590DC

# Square

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



12BE9E



49B0FD



F486B3



CAA352

# Rectangle

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



12BE9E



00BCE3



F486B3



F18F6F

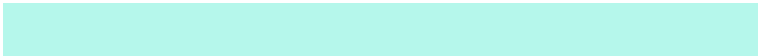


# Sweetspot

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



12BE9E



B5F7EB



34BE12



557D76



FCFCFC



7D7D7D



# Same Dimension

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



12BE9E



00F7C9



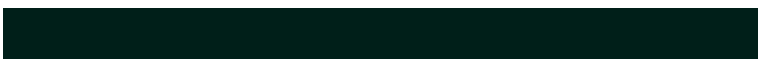
128ABE



555E5D



009E81



001F19



# Inverse Universe

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



BE1232



F7002E



BE4612



5E5557



9E001D

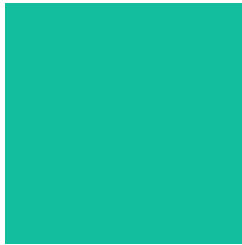


1F0006



# Previews

## White Background



This preview shows how the Hex color 12BE9E looks on a white background.

## Color Contrast Check

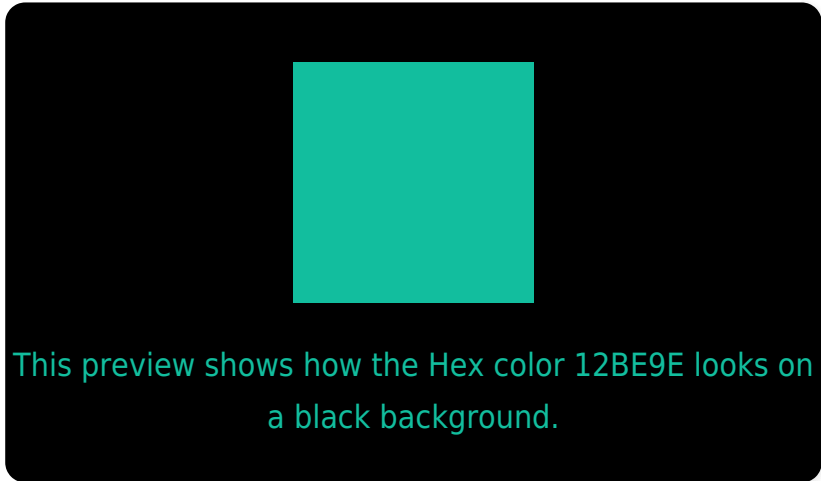
Large Text (above 18pt) WCAG AA × Fail

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

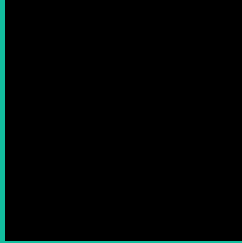
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 12BE9E Background



This preview shows how black text looks on a background with the Hex color 12BE9E.

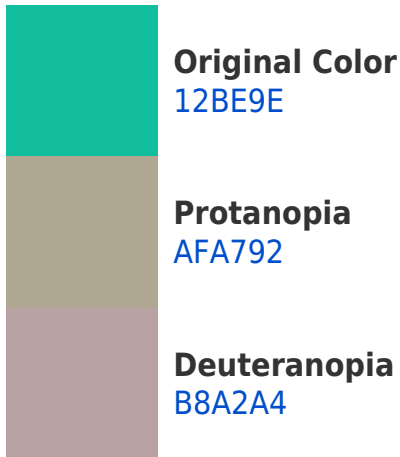


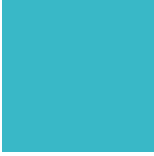
This preview shows how white text looks on a background with the Hex color 12BE9E.

# 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**  
39B8C7

# Trichromacy



**Original Color**  
12BE9E



**Protanomaly**  
76AF96



**Deuteranomaly**  
7CACA2



**Tritanomaly**  
2BBAB8

# Monochromacy



**Original Color**  
12BE9E



**Achromatopsia**  
878787



**Achromatomaly**  
5C9B8F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12BE9E 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 #12BE9E looks like.

```
.text, #text, p{  
    color:#12BE9E  
}
```

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 #12BE9E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12BE9E
}
```

## Border

The CSS property to change the border of an element to Hex 12BE9E 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
#12BE9E }
```

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

```
.border{ border-color:#12BE9E }
```

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

Here you see how a box with a 4 pixel #12BE9E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12BE9E; -webkit-box-shadow:4px 4px  
4px 4px #12BE9E; box-shadow:4px 4px 4px  
4px #12BE9E }
```

# Background

The CSS property to change the background color of an element to Hex 12BE9E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12BE9E }
```

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

```
.background{ background-color:#12BE9E }
```

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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