

# Converting Colors

Hex(12CDB3)

Have a look what the booklet for  
Hex(12CDB3) contains.

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**Color**

**Hex(12CDB3)**

# Conversions

## Conversions Part 1

Format	Color
Hex	12CDB3
RGB	18, 205, 179
RGB Percent	7%, 80%, 70%
CMY	0.9294, 0.1961, 0.2980
CMYK	0.91, 0.00, 0.13, 0.20
HSL	172°, 84%, 44%
HSV	172°, 91%, 80%
XYZ	30.2175, 47.0459, 50.1360
YIQ	146.1230, -103.1060, -47.7300

# Conversions

## Conversions Part 2

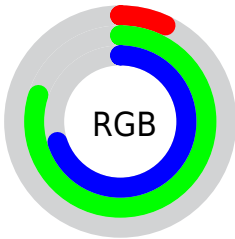
Format	Color
<a href="#">RYB</a>	<a href="#">18, 118, 205</a>
Decimal	<a href="#">1232307</a>
CIELab	<a href="#">74.22, -47.62, 1.11</a>
CIELCh	<a href="#">74, 47.635, 178.665</a>
Yxy	<a href="#">47.0459, 0.2372, 0.3693</a>
Android (android.graphics.Color)	<a href="#">4279422387</a> ( <a href="#">0xFF12CDB3</a> )
YUV	<a href="#">146.1230, 16.2084, -112.3639</a>
Hunter-Lab	<a href="#">68.5900, -41.3940, 4.6749</a>

# Details

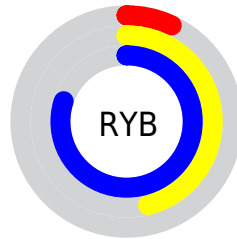
The Hex color **12CDB3** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **CD122C**, and the grayscale version is **929292**.

A 20% lighter version of the original color is **6BFFEB**, and **00967E** is the 20% darker color. If you saturate the color by 10%, you get **00CDB0**, and if you desaturate by 10%, it is **27CDB6**.

# Distribution



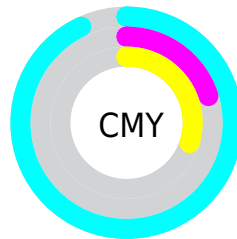
- Red (7%)
- Green (80%)
- Blue (70%)



- Red (7%)
- Yellow (46%)
- Blue (80%)



- Cyan (91%)
- Magenta (0%)
- Yellow (13%)
- Black (20%)



- Cyan (93%)
- Magenta (20%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 12CDB3 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 12CDB3 by changing the saturation by 10% instead.



 12CDB3

 12CDB3

FFFFFF

 00B198

 6BFFEB

 00967E

 8CFFFF

 007B65

 ABFFFF

 00614E

 CAFFFF

 004837

 E9FFFF

 003122

 00180C

 000000

 12CDB3

 12CDB3

00CDB0

27CDB6

3BCDB9

50CDBC

64CDBE

79CDC1

8DCDC4

A2CDC7

B6CDCA

CBCDCD

# Harmonies

## Analogous

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



71C987



12CDB3



00CCDF

# Triad

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



12CDB3



B7ACFF



F6A46D

# Complementary

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



12CDB3



CD122C

# 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.



FF968F



12CDB3



EB9CE5

# Square

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



12CDB3



6ABCFF



FF93BA



D3B35D

# Rectangle

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



12CDB3



00C9F7



FF93BA



FE9F76

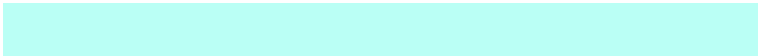


# Sweetspot

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



12CDB3



BAFFF5



2ECD12



57807A



000000



808080



# Same Dimension

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



12CDB3



00FFDC



128CCD



5C6665



00A68F



002621



# Inverse Universe

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



CD122C



FF0023



CD5312



665C5D



A60017

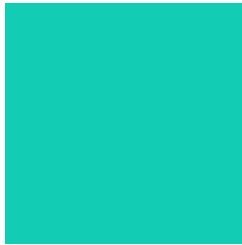


260005



# Previews

## White Background



This preview shows how the Hex color 12CDB3 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 12CDB3 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

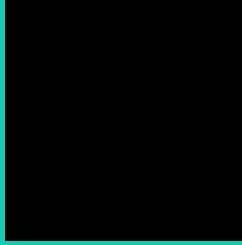
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 12CDB3 Background



This preview shows how black text looks on a background with the Hex color 12CDB3.

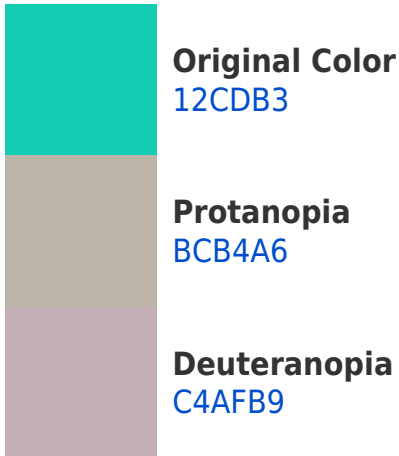


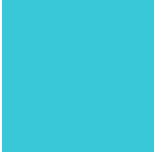
This preview shows how white text looks on a background with the Hex color 12CDB3.

# 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](#).

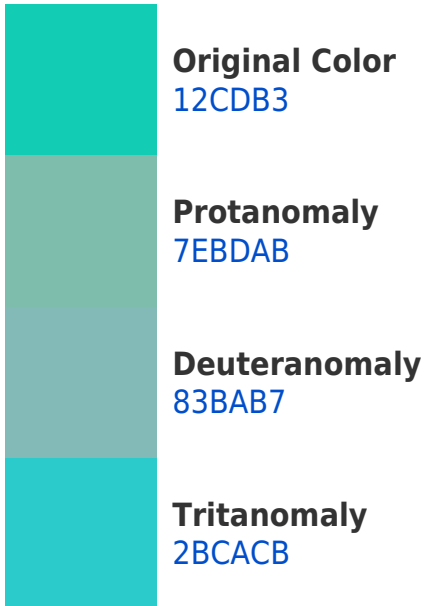
## Dichromacy



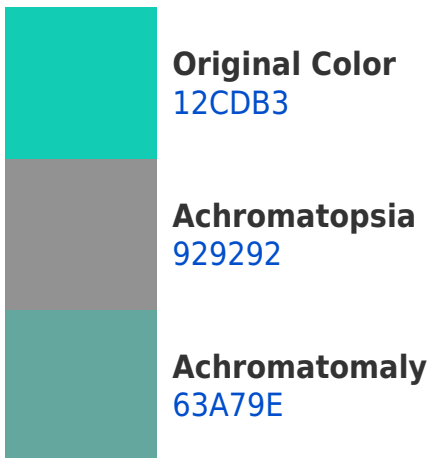


**Tritanopia**  
39C8D8

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12CDB3 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 #12CDB3 looks like.

```
.text, #text, p{  
    color:#12CDB3  
}
```

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 #12CDB3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12CDB3
}
```

## Border

The CSS property to change the border of an element to Hex 12CDB3 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
#12CDB3 }
```

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

```
.border{ border-color:#12CDB3 }
```

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

Here you see how a box with a 4 pixel #12CDB3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12CDB3; -webkit-box-shadow:4px 4px  
4px 4px #12CDB3; box-shadow:4px 4px 4px  
4px #12CDB3 }
```

# Background

The CSS property to change the background color of an element to Hex 12CDB3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12CDB3 }
```

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

```
.background{ background-color:#12CDB3 }
```

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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