

Converting Colors

Hex(12B4B8)

Have a look what the booklet for
Hex(12B4B8) contains.

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Color

Hex(12B4B8)

Conversions

Conversions Part 1

Format	Color
Hex	12B4B8
RGB	18, 180, 184
RGB Percent	7%, 71%, 72%
CMY	0.9294, 0.2941, 0.2784
CMYK	0.90, 0.02, 0.00, 0.28
HSL	181°, 82%, 40%
HSV	181°, 90%, 72%
XYZ	25.2224, 36.2318, 51.0115
YIQ	132.0180, -97.8360, -33.1000

Conversions

Conversions Part 2

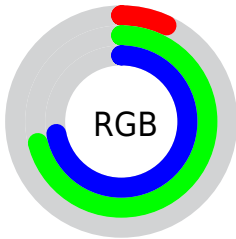
Format	Color
RYB	18, 100, 184
Decimal	1225912
CIELab	66.70, -35.14, -12.75
CIELCh	67, 37.387, 199.945
Yxy	36.2318, 0.2243, 0.3222
Android (android.graphics.Color)	4279415992 (0xFF12B4B8)
YUV	132.0180, 25.6271, -99.9938
Hunter-Lab	60.1929, -30.5412, -8.1113

Details

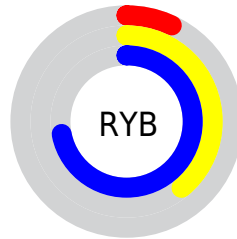
The Hex color **12B4B8** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **B81612**, and the grayscale version is **848484**.

A 20% lighter version of the original color is **67ECF0**, and **007E83** is the 20% darker color. If you saturate the color by 10%, you get **00B4B8**, and if you desaturate by 10%, it is **24B4B8**.

Distribution



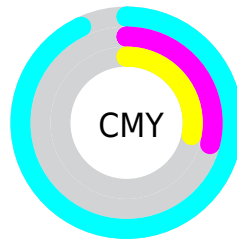
- Red (7%)
- Green (71%)
- Blue (72%)



- Red (7%)
- Yellow (39%)
- Blue (72%)



- Cyan (90%)
- Magenta (2%)
- Yellow (0%)
- Black (28%)



- Cyan (93%)
- Magenta (29%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Hex color 12B4B8 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 12B4B8 by changing the saturation by 10% instead.

 12B4B8

 12B4B8

FFFFFF

 00999D

 67ECF0

 007E83

 87FFFF

 00656A

 A6FFFF

 004C52

 C4FFFF

 00353B

 E3FFFF

 002025

 000110

 000000

 12B4B8

 12B4B8

 00B4B8

 24B4B8

 37B5B8

 49B5B8

 5CB6B8

 6EB6B8

 80B7B8

 93B7B8

 A5B8B8

 B8B8B8

Harmonies

Analogous

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



4EB395



12B4B8



15B1D5

Triad

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



12B4B8



C191CE



C29C60

Complementary

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



12B4B8



B81612

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.



DA9170



12B4B8



DC89AF

Square

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



12B4B8



959EE1



E4898D



A2A762

Rectangle

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



12B4B8



46ACE1



E4898D



CB9863

Sweetspot

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



12B4B8



AFEEO



12B815



517778



F7F7F7



787878

Same Dimension

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



12B4B8



00EAF0



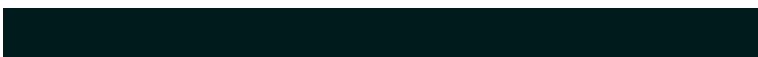
1262B8



535C5C



00989C



001B1C

Inverse Universe

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



B812B4



F000EA



B86812



5C535C



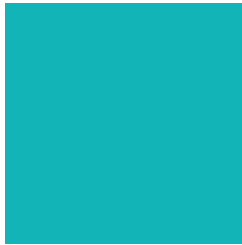
9C0098



1C001B

Previews

White Background



This preview shows how the Hex color 12B4B8 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 12B4B8 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

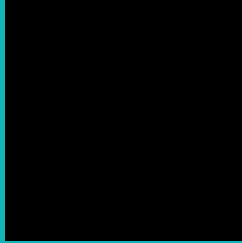
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

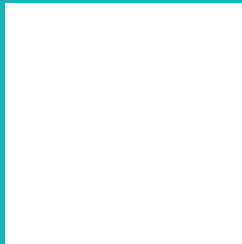
Any Text WCAG AAA ✓ Pass

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

Hex 12B4B8 Background



This preview shows how black text looks on a background with the Hex color 12B4B8.

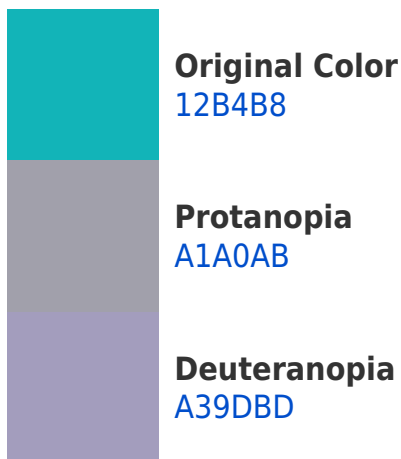


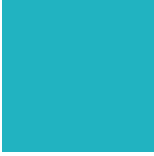
This preview shows how white text looks on a background with the Hex color 12B4B8.

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
21B3C1

Trichromacy



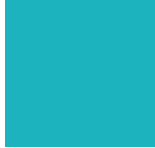
Original Color
12B4B8



Protanomaly
6DA7B0



Deuteranomaly
6EA5BB



Tritanomaly
1CB3BE

Monochromacy



Original Color
12B4B8



Achromatopsia
848484



Achromatomaly
5B9597

CSS Examples

Text

The CSS property to change the color of the text to Hex 12B4B8 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 #12B4B8 looks like.

```
.text, #text, p{  
    color:#12B4B8  
}
```

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 #12B4B8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12B4B8  
}
```

Border

The CSS property to change the border of an element to Hex 12B4B8 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  
#12B4B8 }
```

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

```
.border{ border-color:#12B4B8 }
```

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

Here you see how a box with a 4 pixel #12B4B8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12B4B8; -webkit-box-shadow:4px 4px  
4px 4px #12B4B8; box-shadow:4px 4px 4px  
4px #12B4B8 }
```

Background

The CSS property to change the background color of an element to Hex 12B4B8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12B4B8 }
```

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

```
.background{ background-color:#12B4B8 }
```

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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