

# Converting Colors

Hex(11BDBD)

Have a look what the booklet for  
Hex(11BDBD) contains.

<b>Hex(11BDBD)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(11BDBD)**

# Conversions

## Conversions Part 1

Format	Color
Hex	11BDBD
RGB	17, 189, 189
RGB Percent	7%, 74%, 74%
CMY	0.9333, 0.2588, 0.2588
CMYK	0.91, 0.00, 0.00, 0.26
HSL	180°, 83%, 40%
HSV	180°, 91%, 74%
XYZ	27.6141, 40.1885, 54.4459
YIQ	137.5720, -102.5120, -36.4640

# Conversions

## Conversions Part 2

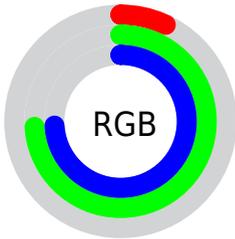
Format	Color
<a href="#">RYB</a>	<a href="#">17, 103, 189</a>
Decimal	<a href="#">1162685</a>
CIELab	<a href="#">69.60, -37.82, -11.15</a>
CIElCh	<a href="#">70, 39.434, 196.428</a>
Yxy	<a href="#">40.1885, 0.2259, 0.3287</a>
Android (android.graphics.Color)	<a href="#">4279352765</a> <a href="#">(0xFF11BDBD)</a>
YUV	<a href="#">137.5720, 25.3540, -105.7416</a>
Hunter-Lab	<a href="#">63.3944, -33.1871, -6.5448</a>

# Details

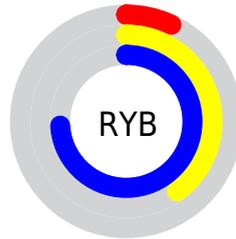
The Hex color **11BDBD** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **BD1111**, and the grayscale version is **898989**.

A 20% lighter version of the original color is **69F6F5**, and **008788** is the 20% darker color. If you saturate the color by 10%, you get **00BDBD**, and if you desaturate by 10%, it is **24BDBD**.

# Distribution



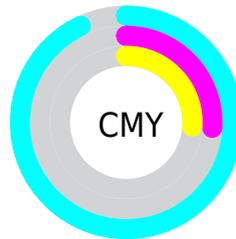
- Red (7%)
- Green (74%)
- Blue (74%)



- Red (7%)
- Yellow (40%)
- Blue (74%)



- Cyan (91%)
- Magenta (0%)
- Yellow (0%)
- Black (26%)



- Cyan (93%)
- Magenta (26%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 11BDBD 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 11BDBD by changing the saturation by 10% instead.



 11BDBD

 11BDBD

FFFFFF

 00A2A2

 69F6F5

 008788

 89FFFF

 006D6E

 A8FFFF

 005456

 C7FFFF

 003C3F

 E6FFFF

 002729

 000115

 000000

 11BDBD

 11BDBD

00BDBD

24BDBD

37BDBD

4ABDBD

5DBDBD

70BDBD

82BDBD

95BDBD

A8BDBD

BBBDBD

# Harmonies

## Analogous

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



56BC98



11BDBD



00BADD

# Triad

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



11BDBD



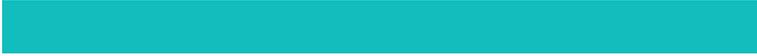
C79ADC



CFA264

# Complementary

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



11BDBD



BD1111

# 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.



E79678



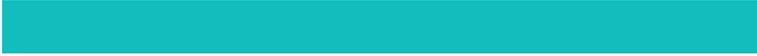
11BDBD



E590BC

# Square

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



11BDBD



96A7EE



F08E98



AEAE64

# Rectangle

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



11BDBD



3DB5EB



F08E98



D99E69



# Sweetspot

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



11BDBD



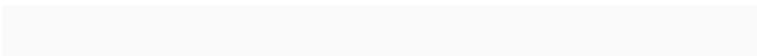
B3F5F5



11BD11



537A7A



FAFAFA



7A7A7A



# Same Dimension

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



11BDBD



00F5F5



1167BD



555E5E



009E9E



001F1F



# Inverse Universe

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



BD11BD



F500F5



BD6711



5E555E



9E009E



1F001F



# Previews

## White Background



This preview shows how the Hex color 11BDBD looks on a white background.

## Color Contrast Check

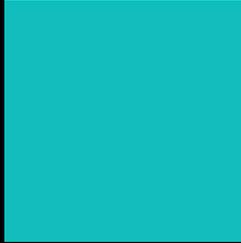
Large Text (above 18pt) WCAG AA × Fail

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 11BDBD looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

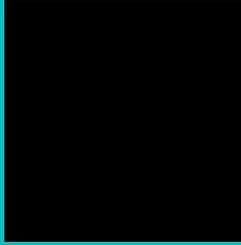
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 11BDBD Background



This preview shows how black text looks on a background with the Hex color 11BDBD.

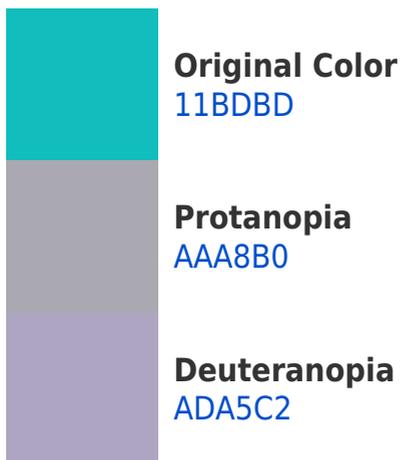


This preview shows how white text looks on a background with the Hex color 11BDBD.

# 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**  
25BBCA

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 11BDBD 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 #11BDBD looks like.

```
.text, #text, p{  
    color:#11BDBD  
}
```

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 #11BDBD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #11BDBD
}
```

## Border

The CSS property to change the border of an element to Hex 11BDBD 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
#11BDBD }
```

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

```
.border{ border-color:#11BDBD }
```

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

Here you see how a box with a 4 pixel #11BDBD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #11BDBD; -webkit-box-shadow:4px 4px  
4px 4px #11BDBD; box-shadow:4px 4px 4px  
4px #11BDBD }
```

# Background

The CSS property to change the background color of an element to Hex 11BDBD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#11BDBD }
```

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

```
.background{ background-color:#11BDBD }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor