

Converting Colors

Hex(1BB790)

Have a look what the booklet for
Hex(1BB790) contains.

Hex(1BB790)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(1BB790)

Conversions

Conversions Part 1

Format	Color
Hex	1BB790
RGB	27, 183, 144
RGB Percent	11%, 72%, 56%
CMY	0.8941, 0.2824, 0.4353
CMYK	0.85, 0.00, 0.21, 0.28
HSL	165°, 74%, 41%
HSV	165°, 85%, 72%
XYZ	22.4195, 36.1136, 32.1745
YIQ	131.9100, -80.4570, -45.2010

Conversions

Conversions Part 2

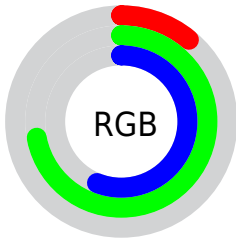
Format	Color
RYB	27, 116, 183
Decimal	1816464
CIELab	66.61, -47.13, 9.21
CIELCh	67, 48.021, 168.940
Yxy	36.1136, 0.2472, 0.3981
Android (android.graphics.Color)	4280006544 (0xFF1BB790)
YUV	131.9100, 5.9604, -92.0061
Hunter-Lab	60.0946, -38.5724, 10.3224

Details

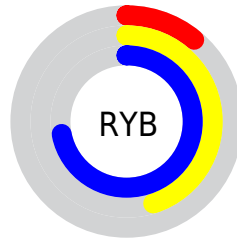
The Hex color **1BB790** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **B71B42**, and the grayscale version is **848484**.

A 20% lighter version of the original color is **67F0C6**, and **00815E** is the 20% darker color. If you saturate the color by 10%, you get **09B78B**, and if you desaturate by 10%, it is **2DB795**.

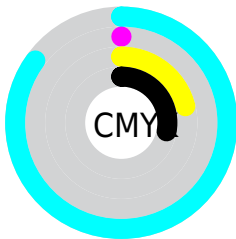
Distribution



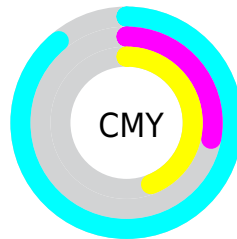
- Red (11%)
- Green (72%)
- Blue (56%)



- Red (11%)
- Yellow (45%)
- Blue (72%)



- Cyan (85%)
- Magenta (0%)
- Yellow (21%)
- Black (28%)



- Cyan (89%)
- Magenta (28%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Hex color 1BB790 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 1BB790 by changing the saturation by 10% instead.

 1BB790

 1BB790

FFFFFF

 009C76

 67F0C6

 00815E

 86FFE2

 006746

 A4FFFE

 004E30

 C2FFFF

 00361B

 E1FFFF

 001F00

 000000

 1BB790

 1BB790

 09B78B

 2DB795

00B789

40B799

52B79E

64B7A2

76B7A7

89B7AB

9BB7B0

ADB7B5

C0B7B9

Harmonies

Analogous

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



6FB267



1BB790



00B8BD

Triad

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



1BB790



8B9DF4



E78A62

Complementary

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



1BB790



B71B42

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.



F47F88



1BB790



C88CDB

Square

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



1BB790



1BABF6



EA80B4



C99A4C

Rectangle

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



1BB790



00B6D7



EA80B4



ED866E

Sweetspot

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



1BB790



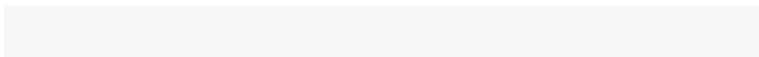
AFEDDE



42B71B



53786F



F7F7F7



787878

Same Dimension

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



1BB790



00EDB2



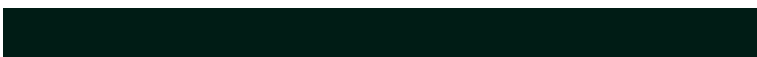
1B90B7



535C5A



009C75



001C15

Inverse Universe

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



B71B42



ED003B



B7421B



5C5355



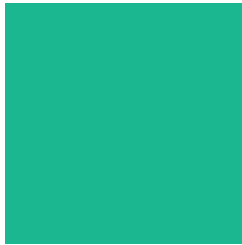
9C0027



1C0007

Previews

White Background



This preview shows how the Hex color 1BB790 looks on a white background.

Color Contrast Check

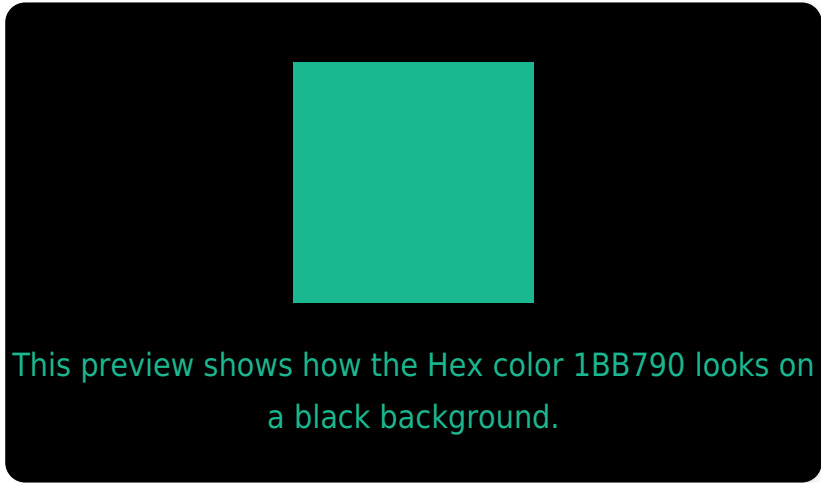
Large Text (above 18pt) WCAG AA × Fail

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

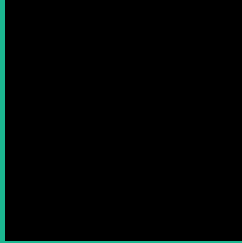
Any Text WCAG AA ✓ Pass

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 1BB790 Background



This preview shows how black text looks on a background with the Hex color 1BB790.

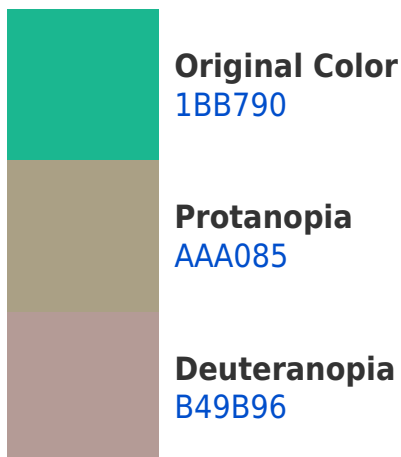


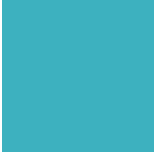
This preview shows how white text looks on a background with the Hex color 1BB790.

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
3DB1BF

Trichromacy



Original Color
1BB790



Protanomaly
76A889



Deuteranomaly
7CA594



Tritanomaly
31B3AE

Monochromacy



Original Color
1BB790



Achromatopsia
848484



Achromatomaly
5E9788

CSS Examples

Text

The CSS property to change the color of the text to Hex 1BB790 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 #1BB790 looks like.

```
.text, #text, p{  
    color:#1BB790  
}
```

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 #1BB790 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1BB790
}
```

Border

The CSS property to change the border of an element to Hex 1BB790 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
#1BB790 }
```

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

```
.border{ border-color:#1BB790 }
```

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

Here you see how a box with a 4 pixel #1BB790 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1BB790; -webkit-box-shadow:4px 4px  
4px 4px #1BB790; box-shadow:4px 4px 4px  
4px #1BB790 }
```

Background

The CSS property to change the background color of an element to Hex 1BB790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1BB790 }
```

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

```
.background{ background-color:#1BB790 }
```

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