

Converting Colors

Hex(1BB172)

Have a look what the booklet for
Hex(1BB172) contains.

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Color

Hex(1BB172)

Conversions

Conversions Part 1

Format	Color
Hex	1BB172
RGB	27, 177, 114
RGB Percent	11%, 69%, 45%
CMY	0.8941, 0.3059, 0.5529
CMYK	0.85, 0.00, 0.36, 0.31
HSL	155°, 74%, 40%
HSV	155°, 85%, 69%
XYZ	19.2114, 32.8922, 21.2559
YIQ	124.9680, -69.1770, -51.3930

Conversions

Conversions Part 2

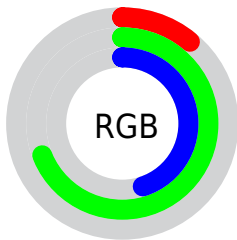
Format	Color
RYB	27, 122, 177
Decimal	1814898
CIELab	64.07, -51.71, 22.04
CIELCh	64, 56.210, 156.918
Yxy	32.8922, 0.2619, 0.4484
Android (android.graphics.Color)	4280004978 (0xFF1BB172)
YUV	124.9680, -5.4072, -85.9179
Hunter-Lab	57.3517, -40.5725, 18.1720

Details

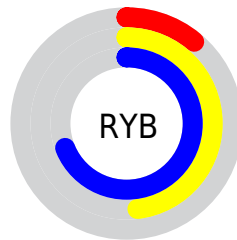
The Hex color **1BB172** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **B11B5A**, and the grayscale version is **7D7D7D**.

A 20% lighter version of the original color is **65EAA6**, and **007B41** is the 20% darker color. If you saturate the color by 10%, you get **09B16B**, and if you desaturate by 10%, it is **2DB179**.

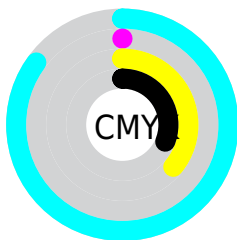
Distribution



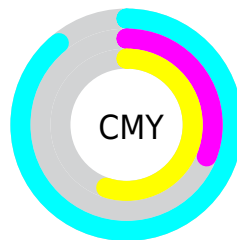
- Red (11%)
- Green (69%)
- Blue (45%)



- Red (11%)
- Yellow (48%)
- Blue (69%)



- Cyan (85%)
- Magenta (0%)
- Yellow (36%)
- Black (31%)



- Cyan (89%)
- Magenta (31%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Hex color 1BB172 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 1BB172 by changing the saturation by 10% instead.

 1BB172

 1BB172

FFFFFF

 009659

 65EAA6

 007B41

 83FFC2

 00612B

 A1FFDE

 004815

 BFFFFA

 003100

 DDFFFF

 001700

 FBFFFF

 000000

 1BB172

 1BB172

 09B16B

 2DB179

00B167

3EB181

50B188

62B190

73B197

85B19F

97B1A6

A9B1AD

BAB1B5

Harmonies

Analogous

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



77A946



1BB172



00B4A6

Triad

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



1BB172



4D9DFF



F17762

Complementary

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



1BB172



B11B5A

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.



F76E92



1BB172



AD89EC

Square

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



1BB172



00ABF7



E176C4



D68A3D

Rectangle

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



1BB172



00B3C7



E176C4



F67371

Sweetspot

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



1BB172



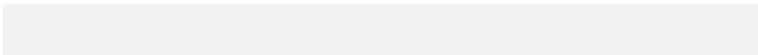
ACE6CD



5CB11B



507364



F2F2F2



737373

Same Dimension

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



1BB172



00E685



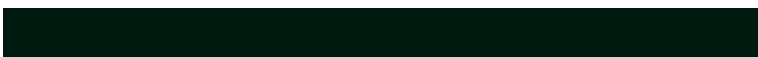
1BA7B1



505956



009959



001A0F

Inverse Universe

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



B11B5A



E60060



B1251B



595054



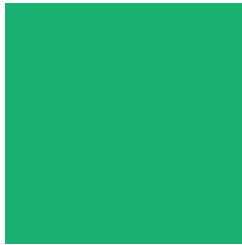
990040



1A000B

Previews

White Background



This preview shows how the Hex color 1BB172 looks on a white background.

Color Contrast Check

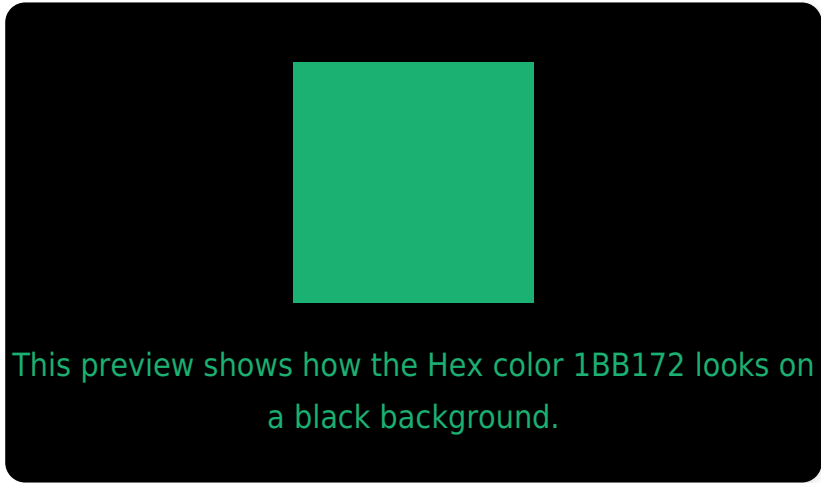
Large Text (above 18pt) WCAG AA × Fail

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

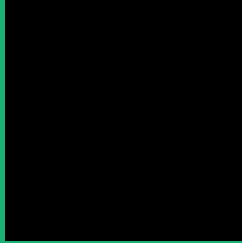
Any Text WCAG AA ✓ Pass

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 1BB172 Background



This preview shows how black text looks on a background with the Hex color 1BB172.



This preview shows how white text looks on a background with the Hex color 1BB172.

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](#).

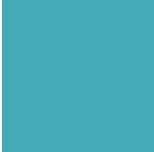
Dichromacy



Original Color
1BB172

Protanopia
A79A68

Deuteranopia
B49479



Tritanopia
43A9B6

Trichromacy



Original Color
1BB172



Protanomaly
74A26C



Deuteranomaly
7C9F76



Tritanomaly
34AC9D

Monochromacy



Original Color
1BB172



Achromatopsia
7D7D7D



Achromatomaly
599079

CSS Examples

Text

The CSS property to change the color of the text to Hex 1BB172 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 #1BB172 looks like.

```
.text, #text, p{  
    color:#1BB172  
}
```

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 #1BB172 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1BB172
}
```

Border

The CSS property to change the border of an element to Hex 1BB172 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
#1BB172 }
```

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

```
.border{ border-color:#1BB172 }
```

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

Here you see how a box with a 4 pixel #1BB172 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1BB172; -webkit-box-shadow:4px 4px  
4px 4px #1BB172; box-shadow:4px 4px 4px  
4px #1BB172 }
```

Background

The CSS property to change the background color of an element to Hex 1BB172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1BB172 }
```

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

```
.background{ background-color:#1BB172 }
```

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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