

Converting Colors

Hex(00B080)

Have a look what the booklet for
Hex(00B080) contains.

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Color

Hex(00B080)

Conversions

Conversions Part 1

Format	Color
Hex	00B080
RGB	0, 176, 128
RGB Percent	0%, 69%, 50%
CMY	1.0000, 0.3098, 0.4980
CMYK	1.00, 0.00, 0.27, 0.31
HSL	164°, 100%, 35%
HSV	164°, 100%, 69%
XYZ	19.4216, 32.6092, 25.6927
YIQ	117.9040, -89.4880, -52.2400

Conversions

Conversions Part 2

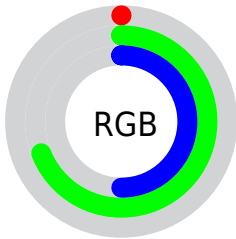
Format	Color
RYB	0, 102, 176
Decimal	45184
CIELab	63.84, -49.65, 14.07
CIELCh	64, 51.607, 164.177
Yxy	32.6092, 0.2499, 0.4196
Android (android.graphics.Color)	4278235264 (0xFF00B080)
YUV	117.9040, 4.9773, -103.4018
Hunter-Lab	57.1044, -39.2237, 13.2971

Details

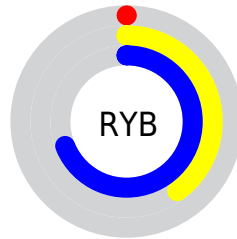
The Hex color **00B080** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **B00030**, and the grayscale version is **767676**.

A 20% lighter version of the original color is **5EE9B5**, and **007A4F** is the 20% darker color. If you saturate the color by 10%, you get **00B080**, and if you desaturate by 10%, it is **12B085**.

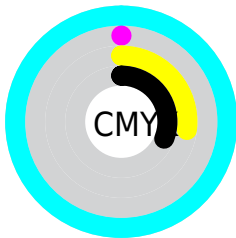
Distribution



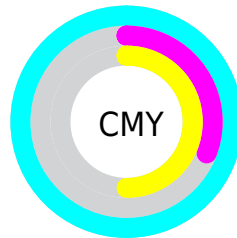
- Red (0%)
- Green (69%)
- Blue (50%)



- Red (0%)
- Yellow (40%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (31%)



- Cyan (100%)
- Magenta (31%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00B080 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 00B080 by changing the saturation by 10% instead.

 00B080

 00B080

FFFFFF

 009567


 5EE9B5

 007A4F

 7DFFD1

 006038

 9BFFED

 004722

 B9FFFF

 00300D

 D7FFFF

 001600

 F6FFFF

 000000

 00B080

 12B085

 23B08A

 35B08E

 46B093

 58B098

 6AB09D

 7BB0A2

 8DB0A6

 9EB0AB

Harmonies

Analogous

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



6CAA56



00B080



00B2B0

Triad

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



00B080



7298F4



E67E5D

Complementary

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



00B080



B00030

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.



F07387



00B080



BA86DD

Square

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



00B080



00A6F3



E376B5



C99040

Rectangle

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



00B080



00B0CD



E376B5



EC7969

Sweetspot

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



00B080



A1E6D3



32B000



497367



F2F2F2



737373

Same Dimension

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



00B080



00E6A7



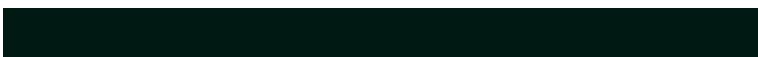
008AB0



505957



00996F



001A13

Inverse Universe

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



B00030



E6003F



B02600



595053



99002A



1A0007

Previews

White Background



This preview shows how the Hex color 00B080 looks on a white background.

Color Contrast Check

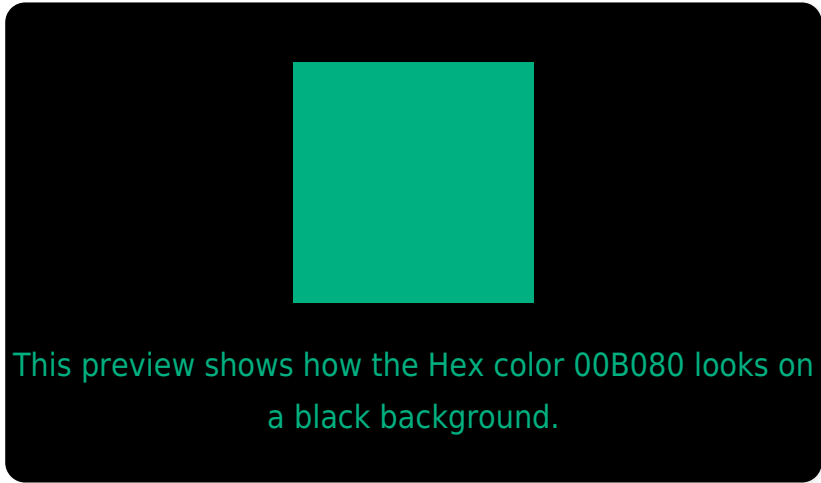
Large Text (above 18pt) WCAG AA × Fail

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

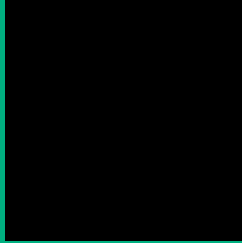
Any Text WCAG AA ✓ Pass

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 00B080 Background



This preview shows how black text looks on a background with the Hex color 00B080.

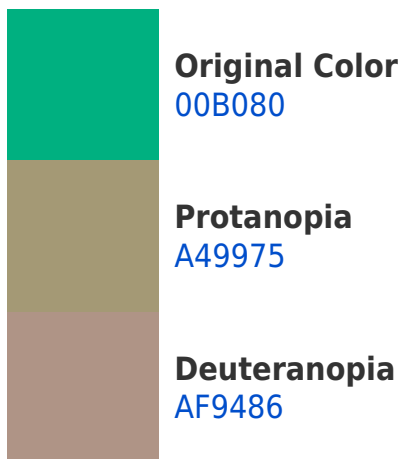


This preview shows how white text looks on a background with the Hex color 00B080.

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
3AA9B7

Trichromacy



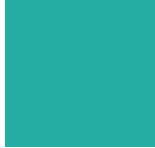
Original Color
00B080



Protanomaly
68A179



Deuteranomaly
6F9E84



Tritanomaly
25ACA3

Monochromacy



Original Color
00B080



Achromatopsia
767676



Achromatomaly
4B8B7A

CSS Examples

Text

The CSS property to change the color of the text to Hex 00B080 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 #00B080 looks like.

```
.text, #text, p{  
    color:#00B080  
}
```

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 #00B080 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B080
}
```

Border

The CSS property to change the border of an element to Hex 00B080 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
#00B080 }
```

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

```
.border{ border-color:#00B080 }
```

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

Here you see how a box with a 4 pixel #00B080 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B080; -webkit-box-shadow:4px 4px  
4px 4px #00B080; box-shadow:4px 4px 4px  
4px #00B080 }
```

Background

The CSS property to change the background color of an element to Hex 00B080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B080 }
```

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

```
.background{ background-color:#00B080 }
```

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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