

Converting Colors

Hex(00B7B1)

Have a look what the booklet for
Hex(00B7B1) contains.

Hex(00B7B1)	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(00B7B1)

Conversions

Conversions Part 1

Format	Color
Hex	00B7B1
RGB	0, 183, 177
RGB Percent	0%, 72%, 69%
CMY	1.0000, 0.2824, 0.3059
CMYK	1.00, 0.00, 0.03, 0.28
HSL	178°, 100%, 36%
HSV	178°, 100%, 72%
XYZ	24.8693, 37.0413, 47.4339
YIQ	127.5990, -107.1420, -40.6620

Conversions

Conversions Part 2

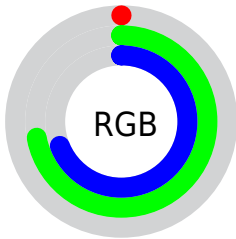
Format	Color
RYB	0, 93, 183
Decimal	47025
CIELab	67.31, -39.29, -7.98
CIELCh	67, 40.088, 191.481
Yxy	37.0413, 0.2274, 0.3388
Android (android.graphics.Color)	4278237105 (0xFF00B7B1)
YUV	127.5990, 24.3547, -111.9043
Hunter-Lab	60.8616, -33.5689, -3.6060

Details

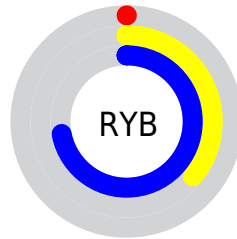
The Hex color **00B7B1** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **B70006**, and the grayscale version is **7F7F7F**.

A 20% lighter version of the original color is **63F0E9**, and **00817D** is the 20% darker color. If you saturate the color by 10%, you get **00B7B1**, and if you desaturate by 10%, it is **12B7B2**.

Distribution



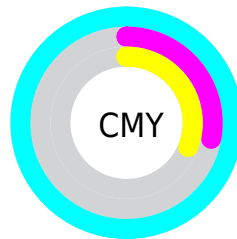
- Red (0%)
- Green (72%)
- Blue (69%)



- Red (0%)
- Yellow (36%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (28%)



- Cyan (100%)
- Magenta (28%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00B7B1 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 00B7B1 by changing the saturation by 10% instead.

 00B7B1

 00B7B1

FFFFFF

 009C96

 63F0E9

 00817D

 84FFFF

 006764

 A2FFFF

 004F4C

 C1FFFF

 003735

 E0FFFF

 002220

 000008

 000000

 00B7B1

 12B7B2

 25B7B2

 37B7B3

 49B7B3

 5CB7B4

 6EB7B5

 80B7B5

 92B7B6

 A5B7B6

Harmonies

Analogous

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



56B58C



00B7B1



00B5D3

Triad

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



00B7B1



BA95DA



CE9A60

Complementary

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



00B7B1



B70006

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.



E48E76



00B7B1



DC8ABC

Square

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



00B7B1



85A3EA



EA8797



ADA65C

Rectangle

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



00B7B1



1AB1E2



EA8797



D79665

Sweetspot

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



00B7B1



A6EDEB



06B700



4D7876



F7F7F7



787878

Same Dimension

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



00B7B1



00EDE5



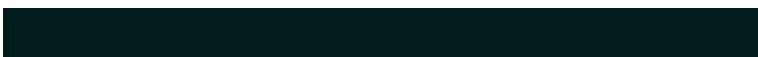
0062B7



535C5B



009C96



001C1B

Inverse Universe

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



B70006



ED0008



B75500



5C5353



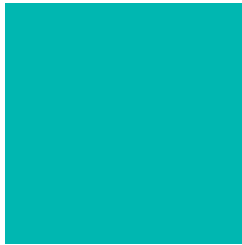
9C0005



1C0001

Previews

White Background



This preview shows how the Hex color 00B7B1 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 00B7B1 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

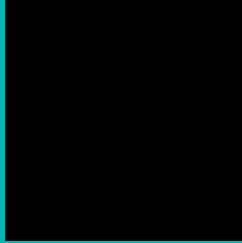
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

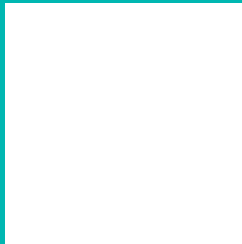
Any Text WCAG AAA ✓ Pass

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

Hex 00B7B1 Background



This preview shows how black text looks on a background with the Hex color 00B7B1.

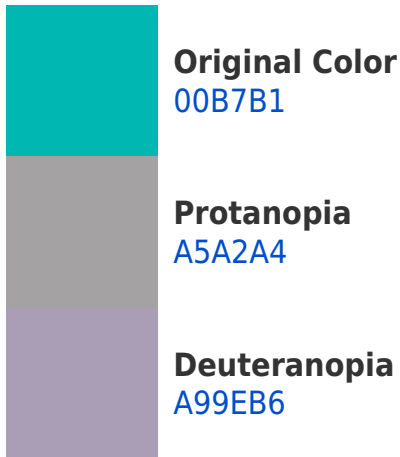


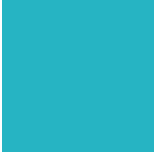
This preview shows how white text looks on a background with the Hex color 00B7B1.

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
26B4C3

Trichromacy



Original Color
00B7B1



Protanomaly
69AAA9



Deuteranomaly
6CA7B4



Tritanomaly
18B5BC

Monochromacy



Original Color
00B7B1



Achromatopsia
808080



Achromatomaly
519492

CSS Examples

Text

The CSS property to change the color of the text to Hex 00B7B1 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 #00B7B1 looks like.

```
.text, #text, p{  
    color:#00B7B1  
}
```

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 #00B7B1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B7B1
}
```

Border

The CSS property to change the border of an element to Hex 00B7B1 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
#00B7B1 }
```

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

```
.border{ border-color:#00B7B1 }
```

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

Here you see how a box with a 4 pixel #00B7B1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B7B1; -webkit-box-shadow:4px 4px  
4px 4px #00B7B1; box-shadow:4px 4px 4px  
4px #00B7B1 }
```

Background

The CSS property to change the background color of an element to Hex 00B7B1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B7B1 }
```

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

```
.background{ background-color:#00B7B1 }
```

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