

Converting Colors

Hex(00B9B1)

Have a look what the booklet for
Hex(00B9B1) contains.

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Color

Hex(00B9B1)

Conversions

Conversions Part 1

Format	Color
Hex	00B9B1
RGB	0, 185, 177
RGB Percent	0%, 73%, 69%
CMY	1.0000, 0.2745, 0.3059
CMYK	1.00, 0.00, 0.04, 0.27
HSL	177°, 100%, 36%
HSV	177°, 100%, 73%
XYZ	25.2848, 37.8722, 47.5724
YIQ	128.7730, -107.6920, -41.7080

Conversions

Conversions Part 2

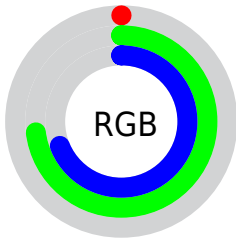
Format	Color
RYB	0, 95, 185
Decimal	47537
CIELab	67.93, -40.18, -7.06
CIELCh	68, 40.796, 189.967
Yxy	37.8722, 0.2283, 0.3420
Android (android.graphics.Color)	4278237617 (0xFF00B9B1)
YUV	128.7730, 23.7759, -112.9339
Hunter-Lab	61.5404, -34.3565, -2.7545

Details

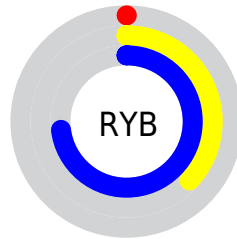
The Hex color **00B9B1** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **B90008**, and the grayscale version is **818181**.

A 20% lighter version of the original color is **64F2E9**, and **00837D** is the 20% darker color. If you saturate the color by 10%, you get **00B9B1**, and if you desaturate by 10%, it is **12B9B2**.

Distribution



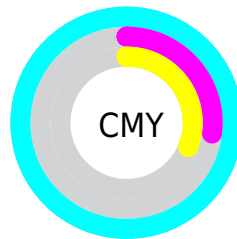
- Red (0%)
- Green (73%)
- Blue (69%)



- Red (0%)
- Yellow (37%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (27%)



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

Brightness & Saturation Gradients

These gradients show how the Hex color 00B9B1 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 00B9B1 by changing the saturation by 10% instead.

 00B9B1

 00B9B1

FFFFFF

 009E96

 64F2E9

 00837D

 84FFFF

 006964

 A3FFFF

 00504C

 C2FFFF

 003835

 E0FFFF

 002320

 000008

 000000

 00B9B1

 12B9B2

 25B9B3

 38B9B3

 4AB9B4

 5DB9B5

 6FB9B6

 82B9B7

 94B9B7

 A7B9B8

Harmonies

Analogous

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



59B78B



00B9B1



00B7D4

Triad

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



00B9B1



B997DE



D29B61

Complementary

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



00B9B1



B90008

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.



E78E78



00B9B1



DD8CC0

Square

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



00B9B1



83A5EE



EC889A



B1A75C

Rectangle

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



00B9B1



06B3E4



EC889A



DA9667

Sweetspot

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



00B9B1



A8F0ED



09B900



4D7876



F7F7F7



787878

Same Dimension

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



00B9B1



00F0E5



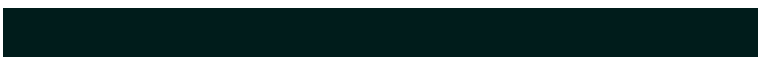
0066B9



535C5B



009C95



001C1B

Inverse Universe

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



B90008



F0000A



B95300



5C5353



9C0007



1C0001

Previews

White Background



This preview shows how the Hex color 00B9B1 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 00B9B1 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

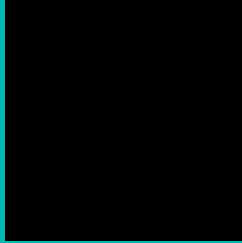
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

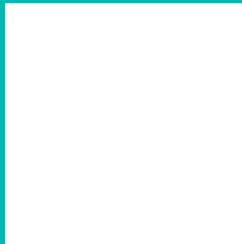
Any Text WCAG AAA ✓ Pass

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

Hex 00B9B1 Background



This preview shows how black text looks on a background with the Hex color 00B9B1.

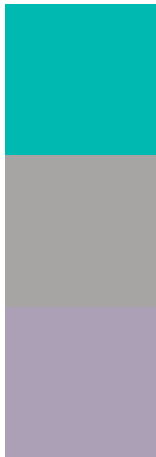


This preview shows how white text looks on a background with the Hex color 00B9B1.

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](#).

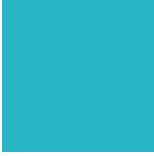
Dichromacy



Original Color
00B9B1

Protanopia
A7A4A4

Deuteranopia
ACA0B7

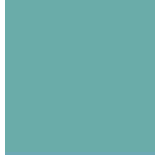


Tritanopia
28B6C5

Trichromacy



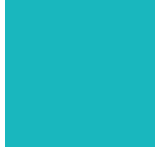
Original Color
00B9B1



Protanomaly
6AACA9



Deuteranomaly
6DA9B5



Tritanomaly
19B7BE

Monochromacy



Original Color
00B9B1



Achromatopsia
818181



Achromatomaly
529592

CSS Examples

Text

The CSS property to change the color of the text to Hex 00B9B1 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 #00B9B1 looks like.

```
.text, #text, p{  
    color:#00B9B1  
}
```

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 #00B9B1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B9B1
}
```

Border

The CSS property to change the border of an element to Hex 00B9B1 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
#00B9B1 }
```

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

```
.border{ border-color:#00B9B1 }
```

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

Here you see how a box with a 4 pixel #00B9B1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B9B1; -webkit-box-shadow:4px 4px  
4px 4px #00B9B1; box-shadow:4px 4px 4px  
4px #00B9B1 }
```

Background

The CSS property to change the background color of an element to Hex 00B9B1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B9B1 }
```

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

```
.background{ background-color:#00B9B1 }
```

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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