

# Converting Colors

Hex(00BB8B)

Have a look what the booklet for  
Hex(00BB8B) contains.

<b>Hex(00BB8B)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(00BB8B)

# Conversions

## Conversions Part 1

Format	Color
Hex	00BB8B
RGB	0, 187, 139
RGB Percent	0%, 73%, 55%
CMY	1.0000, 0.2667, 0.4549
CMYK	1.00, 0.00, 0.26, 0.27
HSL	165°, 100%, 37%
HSV	165°, 100%, 73%
XYZ	22.4305, 37.4047, 30.4637
YIQ	125.6150, -96.0440, -54.5720

# Conversions

## Conversions Part 2

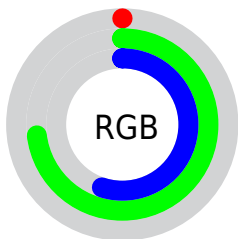
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 107, 187
Decimal	48011
CIELab	67.58, -51.27, 13.29
CIELCh	68, 52.967, 165.465
Yxy	37.4047, 0.2484, 0.4142
Android (android.graphics.Color)	4278238091 (0xFF00BB8B)
YUV	125.6150, 6.5988, -110.1644
Hunter-Lab	61.1594, -41.5632, 13.2790

# Details

The Hex color **00BB8B** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **BB0030**, and the grayscale version is **7E7E7E**.

A 20% lighter version of the original color is **61F4C1**, and **008459** is the 20% darker color. If you saturate the color by 10%, you get **00BB8B**, and if you desaturate by 10%, it is **13BB90**.

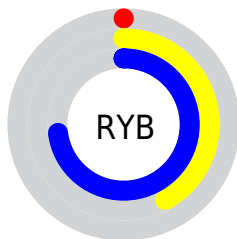
# Distribution



Red (0%)

Green (73%)

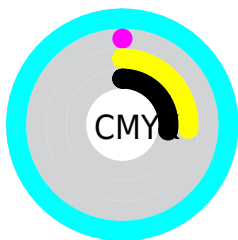
Blue (55%)



Red (0%)

Yellow (42%)

Blue (73%)

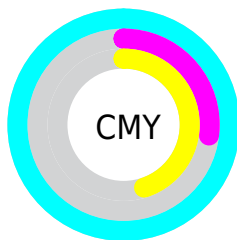


Cyan (100%)

Magenta (0%)

Yellow (26%)

Black (27%)



Cyan (100%)

Magenta (27%)

Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00BB8B 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 00BB8B by changing the saturation by 10% instead.



 00BB8B

 00BB8B

FFFFFF

 009F71


 61F4C1

 008459

 81FFDC

 006A41

 A0FFF9

 00512B


 BEFFFF

 003816

 DCFFFF

 002200

 FBFFFF

 000000

 00BB8B

 13BB90

 25BB95

 38BB99

 4BBB9E

 5EBBA3

 70BBA8

 83BBAD

 96BBB1

 A8BBB6

# Harmonies

## Analogous

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



72B55F



00BB8B



00BDBD

# Triad

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



00BB8B



7FA1FF



F28862

# Complementary

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



00BB8B



BB0030

# 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.



FE7C8E



00BB8B



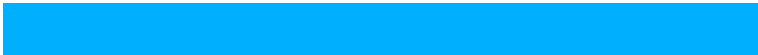
C88EE8

# Square

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



00BB8B



00B0FF



F17EBE



D49A46

# Rectangle

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



00BB8B



00BDBD



F17EBE



F98370



# Sweetspot

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



00BB8B



AAF2E0



32BB00



4E7A6F



FAFAFA



7A7A7A



# Same Dimension

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



00BB8B



00F2B4



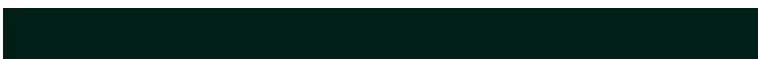
008FBB



555E5C



009E76



001F17



# Inverse Universe

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



BB0030



F2003E



BB2C00



5E5557



9E0029

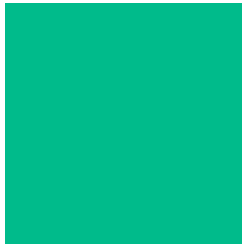


1F0008



# Previews

## White Background



This preview shows how the Hex color 00BB8B 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 00BB8B looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

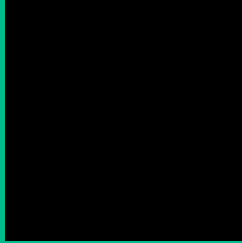
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 00BB8B Background



This preview shows how black text looks on a background with the Hex color 00BB8B.

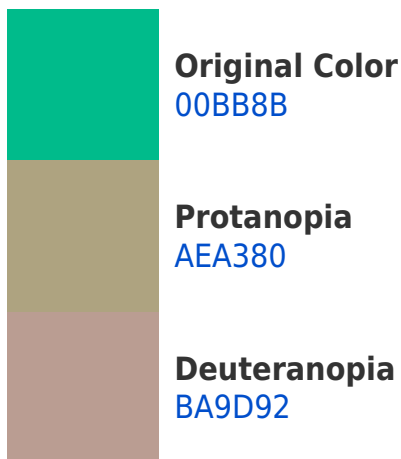


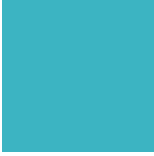
This preview shows how white text looks on a background with the Hex color 00BB8B.

# 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**  
3CB4C2

# Trichromacy



**Original Color**  
00BB8B



**Protanomaly**  
6FAC84



**Deuteranomaly**  
76A88F



**Tritanomaly**  
26B7AE

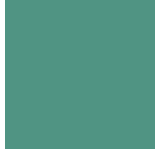
# Monochromacy



**Original Color**  
00BB8B



**Achromatopsia**  
7E7E7E



**Achromatomaly**  
509483

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00BB8B 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 #00BB8B looks like.

```
.text, #text, p{  
    color:#00BB8B  
}
```

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 #00BB8B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00BB8B
}
```

## Border

The CSS property to change the border of an element to Hex 00BB8B 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
#00BB8B }
```

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

```
.border{ border-color:#00BB8B }
```

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

Here you see how a box with a 4 pixel #00BB8B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00BB8B; -webkit-box-shadow:4px 4px  
4px 4px #00BB8B; box-shadow:4px 4px 4px  
4px #00BB8B }
```

# Background

The CSS property to change the background color of an element to Hex 00BB8B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00BB8B }
```

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

```
.background{ background-color:#00BB8B }
```

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