

# Converting Colors

Hex(00BC91)

Have a look what the booklet for  
Hex(00BC91) contains.

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**Color**

**Hex(00BC91)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00BC91
RGB	0, 188, 145
RGB Percent	0%, 74%, 57%
CMY	1.0000, 0.2627, 0.4314
CMYK	1.00, 0.00, 0.23, 0.26
HSL	166°, 100%, 37%
HSV	166°, 100%, 74%
XYZ	23.0941, 38.0108, 32.9077
YIQ	126.8860, -98.2450, -53.2290

# Conversions

## Conversions Part 2

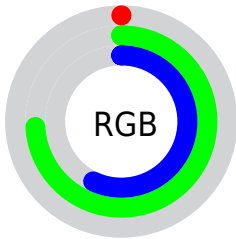
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 106, 188
Decimal	48273
CIELab	68.03, -50.19, 10.66
CIElCh	68, 51.310, 168.010
Yxy	38.0108, 0.2456, 0.4043
Android (android.graphics.Color)	4278238353 (0xFF00BC91)
YUV	126.8860, 8.9302, -111.2790
Hunter-Lab	61.6529, -41.0297, 11.5105

# Details

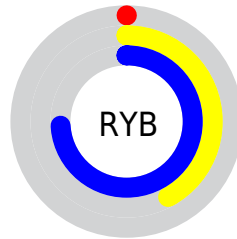
The Hex color **00BC91** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **BC002B**, and the grayscale version is **7F7F7F**.

A 20% lighter version of the original color is **62F5C7**, and **00855F** is the 20% darker color. If you saturate the color by 10%, you get **00BC91**, and if you desaturate by 10%, it is **13BC95**.

# Distribution



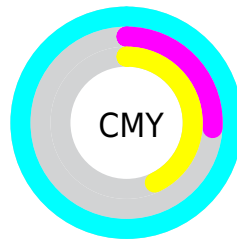
- Red (0%)
- Green (74%)
- Blue (57%)



- Red (0%)
- Yellow (42%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (26%)



- Cyan (100%)
- Magenta (26%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00BC91 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 00BC91 by changing the saturation by 10% instead.



 00BC91

 00BC91

FFFFFF

 00A077


 62F5C7

 00855F

 82FFE3

 006B47

 A0FFFF

 005230

 BFFFFFF

 00391B

 DFFFFFF

 002302

 FCFFFF

 000000

 00BC91

 13BC95

 26BC9A

 38BC9E

 4BBCA2

 5EBCA6

 71BCAB

 84BCAF

 96BCB3

 A9BCB8

# Harmonies

## Analogous

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



70B665



00BC91



00BDC1

# Triad

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



00BC91



8AA1FE



F08C63

# Complementary

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



00BC91



BC002B

# 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.



FD7F8C



00BC91



CC8FE4

# Square

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



00BC91



00B0FF



F280BA



D19D49

# Rectangle

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



00BC91



00BBDE



F280BA



F6876F



# Sweetspot

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



00BC91



ABF5E4



2CBC00



4E7A70



FAFAFA



7A7A7A



# Same Dimension

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



00BC91



00F5BD



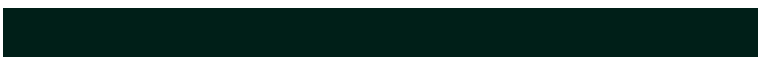
008ABC



555E5C



009E7A



001F18



# Inverse Universe

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



BC002B



F50038



BC3200



5E5557



9E0024

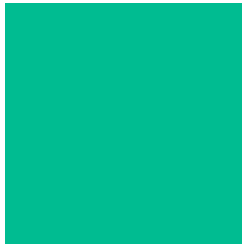


1F0007



# Previews

## White Background



This preview shows how the Hex color 00BC91 looks on a white background.

## Color Contrast Check

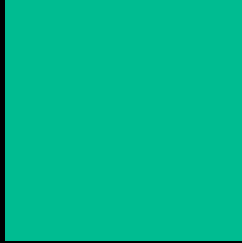
Large Text (above 18pt) WCAG AA × Fail

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 00BC91 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 00BC91 Background



This preview shows how black text looks on a background with the Hex color 00BC91.

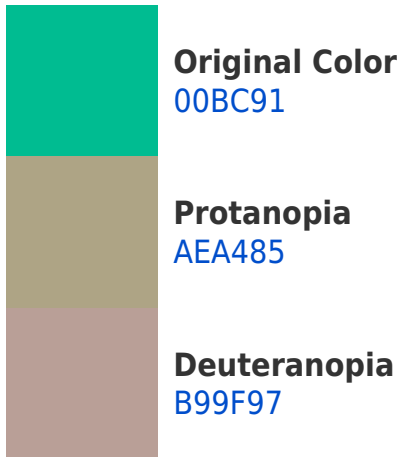


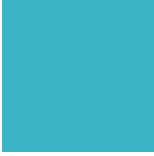
This preview shows how white text looks on a background with the Hex color 00BC91.

# 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**  
3BB5C4

# Trichromacy



**Original Color**  
00BC91



**Protanomaly**  
6FAD89



**Deuteranomaly**  
76AA95



**Tritanomaly**  
26B8B1

# Monochromacy



**Original Color**  
00BC91



**Achromatopsia**  
7F7F7F



**Achromatomaly**  
519586

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00BC91 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 #00BC91 looks like.

```
.text, #text, p{  
    color:#00BC91  
}
```

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 #00BC91 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00BC91
}
```

## Border

The CSS property to change the border of an element to Hex 00BC91 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
#00BC91 }
```

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

```
.border{ border-color:#00BC91 }
```

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

Here you see how a box with a 4 pixel #00BC91 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00BC91; -webkit-box-shadow:4px 4px  
4px 4px #00BC91; box-shadow:4px 4px 4px  
4px #00BC91 }
```

# Background

The CSS property to change the background color of an element to Hex 00BC91 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00BC91 }
```

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

```
.background{ background-color:#00BC91 }
```

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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