

Converting Colors

Hex(00BD83)

Have a look what the booklet for
Hex(00BD83) contains.

Hex(00BD83)	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(00BD83)

Conversions

Conversions Part 1

Format	Color
Hex	00BD83
RGB	0, 189, 131
RGB Percent	0%, 74%, 51%
CMY	1.0000, 0.2588, 0.4863
CMYK	1.00, 0.00, 0.31, 0.26
HSL	162°, 100%, 37%
HSV	162°, 100%, 74%
XYZ	22.2943, 38.0339, 27.6390
YIQ	125.8770, -94.0260, -58.1060

Conversions

Conversions Part 2

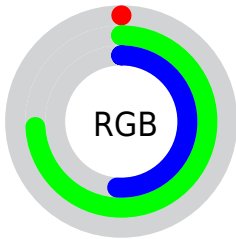
Format	Color
RYB	0, 112, 189
Decimal	48515
CIELab	68.05, -53.91, 18.27
CIELCh	68, 56.920, 161.276
Yxy	38.0339, 0.2534, 0.4324
Android (android.graphics.Color)	4278238595 (0xFF00BD83)
YUV	125.8770, 2.5256, -110.3941
Hunter-Lab	61.6716, -43.3975, 16.5985

Details

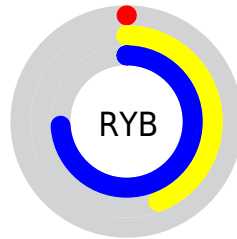
The Hex color **00BD83** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **BD003A**, and the grayscale version is **7E7E7E**.

A 20% lighter version of the original color is **61F6B8**, and **008651** is the 20% darker color. If you saturate the color by 10%, you get **00BD83**, and if you desaturate by 10%, it is **13BD89**.

Distribution



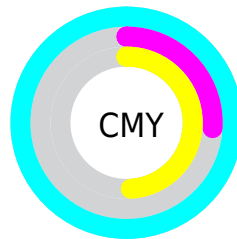
- Red (0%)
- Green (74%)
- Blue (51%)



- Red (0%)
- Yellow (44%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (26%)



- Cyan (100%)
- Magenta (26%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00BD83 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 00BD83 by changing the saturation by 10% instead.

 00BD83

 00BD83

FFFFFF

 00A16A

 61F6B8

 008651

 81FFD4

 006C3A

 A0FFF0

 005224

 BEFFFF

 003A0F

 DDFFFF

 002300

 FBFFFF

 000000

 00BD83

 13BD89

 26BD8F

 39BD94

 4CBD9A

 5FBDA0

 71BDA6

 84BDAC

 97BDB1

 AABDB7

Harmonies

Analogous

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



78B655



00BD83



00BFB8

Triad

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



00BD83



6CA5FF



FB8464

Complementary

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



00BD83



BD003A

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.



FF7894



00BD83



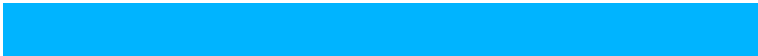
C290F4

Square

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



00BD83



00B4FF



F37EC8



DD9742

Rectangle

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



00BD83



00BEDA



F37EC8



FF7F73

Sweetspot

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



00BD83



ABF5DE



3CBD00



4E7A6D



FAFAFA



7A7A7A

Same Dimension

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



00BD83



00F5AA



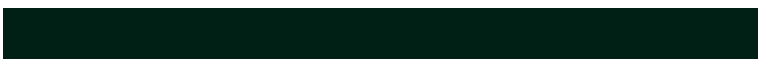
009ABD



555E5B



009E6E



001F15

Inverse Universe

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



BD003A



F5004B



BD2300



5E5558



9E0031



1F0009

Previews

White Background



This preview shows how the Hex color 00BD83 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 00BD83 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 00BD83 Background



This preview shows how black text looks on a background with the Hex color 00BD83.



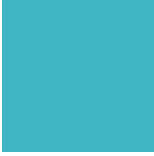
This preview shows how white text looks on a background with the Hex color 00BD83.

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
40B5C4

Trichromacy



Original Color
00BD83



Protanomaly
71AD7C



Deuteranomaly
79A987



Tritanomaly
29B8AC

Monochromacy



Original Color
00BD83



Achromatopsia
7E7E7E



Achromatomaly
509580

CSS Examples

Text

The CSS property to change the color of the text to Hex 00BD83 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 #00BD83 looks like.

```
.text, #text, p{  
    color:#00BD83  
}
```

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 #00BD83 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00BD83
}
```

Border

The CSS property to change the border of an element to Hex 00BD83 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
#00BD83 }
```

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

```
.border{ border-color:#00BD83 }
```

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

Here you see how a box with a 4 pixel #00BD83 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00BD83; -webkit-box-shadow:4px 4px  
4px 4px #00BD83; box-shadow:4px 4px 4px  
4px #00BD83 }
```

Background

The CSS property to change the background color of an element to Hex 00BD83 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00BD83 }
```

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

```
.background{ background-color:#00BD83 }
```

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