

# Converting Colors

Hex(00BB82)

Have a look what the booklet for  
Hex(00BB82) contains.

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**Color**

**Hex(00BB82)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00BB82
RGB	0, 187, 130
RGB Percent	0%, 73%, 51%
CMY	1.0000, 0.2667, 0.4902
CMYK	1.00, 0.00, 0.30, 0.27
HSL	162°, 100%, 37%
HSV	162°, 100%, 73%
XYZ	21.7996, 37.1524, 27.1413
YIQ	124.5890, -93.1550, -57.3710

# Conversions

## Conversions Part 2

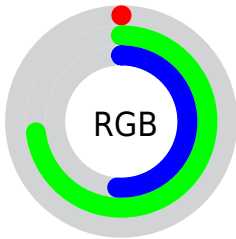
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 110, 187
Decimal	48002
CIELab	67.39, -53.38, 17.91
CIELCh	67, 56.308, 161.455
Yxy	37.1524, 0.2532, 0.4315
Android (android.graphics.Color)	4278238082 (0xFF00BB82)
YUV	124.5890, 2.6676, -109.2646
Hunter-Lab	60.9527, -42.8272, 16.2660

# Details

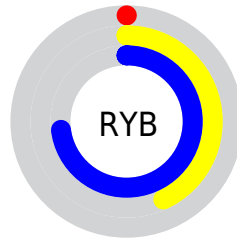
The Hex color **00BB82** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **BB0039**, and the grayscale version is **7D7D7D**.

A 20% lighter version of the original color is **61F4B7**, and **008450** is the 20% darker color. If you saturate the color by 10%, you get **00BB82**, and if you desaturate by 10%, it is **13BB88**.

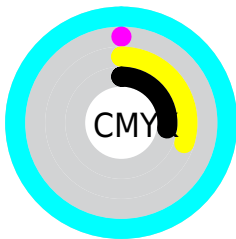
# Distribution



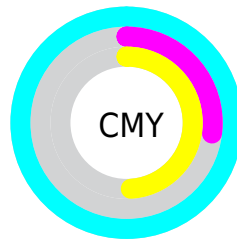
- Red (0%)
- Green (73%)
- Blue (51%)



- Red (0%)
- Yellow (43%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (27%)



- Cyan (100%)
- Magenta (27%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00BB82 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 00BB82 by changing the saturation by 10% instead.



 00BB82

 00BB82

FFFFFF

 009F69

 61F4B7

 008450

 80FFD3

 006A39

 9FFFEF

 005123

 BDFFFF

 00380E

 DCFFFF

 002100

 FBFFFF

 000000

 00BB82

 13BB88

 25BB8D

 38BB93

 4BBB99

 5EBB9F

 70BBA4

 83BBAA

 96BBB0

 A8BBB5

# Harmonies

## Analogous

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



76B454



00BB82



00BDB7

# Triad

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



00BB82



6CA3FF



F98363

# Complementary

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



00BB82



BB0039

# 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.



FF7793



00BB82



C18FF1

# Square

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



00BB82



00B2FF



F17CC6



DA9641

# Rectangle

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



00BB82



00BCD8



F17CC6



FE7E72



# Sweetspot

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



00BB82



AAF2DC



3BBB00



4E7A6D



FAFAFA



7A7A7A



# Same Dimension

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



00BB82



00F2A8



0099BB



555E5B



009E6E



001F15



# Inverse Universe

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



BB0039



F2004A



BB2200



5E5558



9E0030

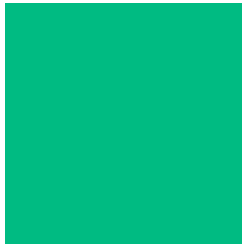


1F0009



# Previews

## White Background



This preview shows how the Hex color 00BB82 looks on a white background.

## Color Contrast Check

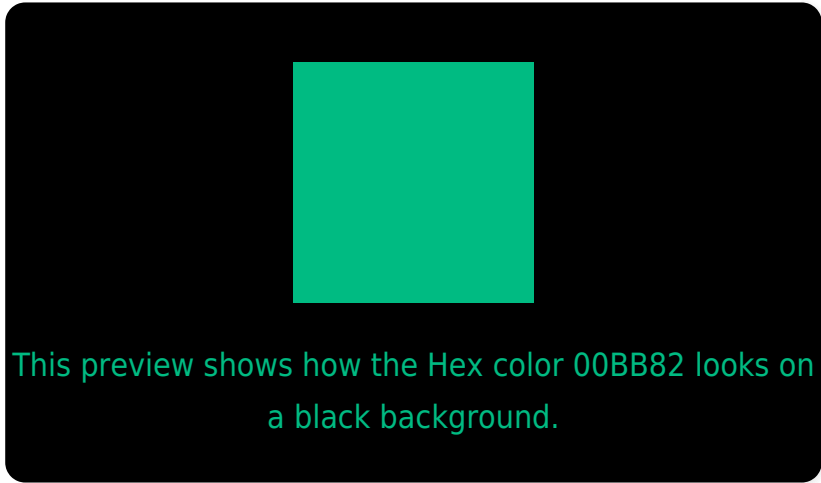
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

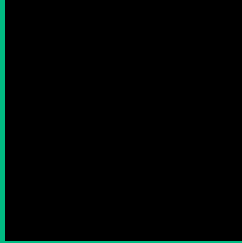
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 00BB82 Background



This preview shows how black text looks on a background with the Hex color 00BB82.

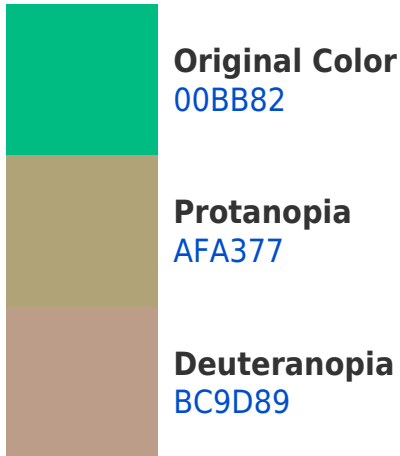


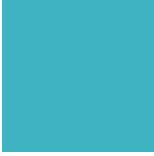
This preview shows how white text looks on a background with the Hex color 00BB82.

# 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**  
3FB3C1

# Trichromacy



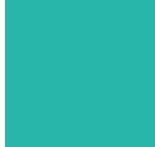
**Original Color**  
00BB82



**Protanomaly**  
6FAC7B



**Deuteranomaly**  
78A886



**Tritanomaly**  
28B6AA

# Monochromacy



**Original Color**  
00BB82



**Achromatopsia**  
7D7D7D



**Achromatomaly**  
50947F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00BB82 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 #00BB82 looks like.

```
.text, #text, p{  
    color:#00BB82  
}
```

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 #00BB82 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00BB82
}
```

## Border

The CSS property to change the border of an element to Hex 00BB82 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
#00BB82 }
```

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

```
.border{ border-color:#00BB82 }
```

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

Here you see how a box with a 4 pixel #00BB82 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00BB82; -webkit-box-shadow:4px 4px  
4px 4px #00BB82; box-shadow:4px 4px 4px  
4px #00BB82 }
```

# Background

The CSS property to change the background color of an element to Hex 00BB82 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00BB82 }
```

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

```
.background{ background-color:#00BB82 }
```

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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