

# Converting Colors

Hex(00B285)

Have a look what the booklet for  
Hex(00B285) contains.

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**Color**

**Hex(00B285)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B285
RGB	0, 178, 133
RGB Percent	0%, 70%, 52%
CMY	1.0000, 0.3020, 0.4784
CMYK	1.00, 0.00, 0.25, 0.30
HSL	165°, 100%, 35%
HSV	165°, 100%, 70%
XYZ	20.1540, 33.5342, 27.6008
YIQ	119.6480, -91.6430, -51.7310

# Conversions

## Conversions Part 2

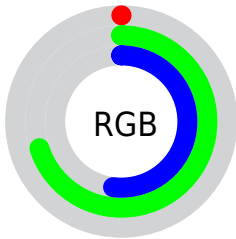
Format	Color
<b>RYB</b>	0, 102, 178
Decimal	45701
CIELab	64.59, -49.22, 12.37
CIELCh	65, 50.751, 165.887
Yxy	33.5342, 0.2479, 0.4125
Android (android.graphics.Color)	4278235781 (0xFF00B285)
YUV	119.6480, 6.5825, -104.9313
Hunter-Lab	57.9088, -39.2168, 12.2770

# Details

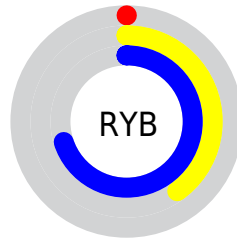
The Hex color **00B285** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **B2002D**, and the grayscale version is **787878**.

A 20% lighter version of the original color is **5FEBBA**, and **007C53** is the 20% darker color. If you saturate the color by 10%, you get **00B285**, and if you desaturate by 10%, it is **12B28A**.

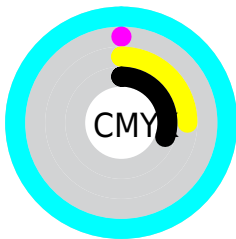
# Distribution



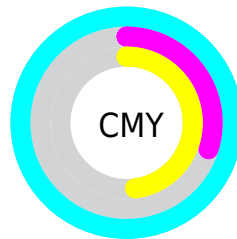
- Red (0%)
- Green (70%)
- Blue (52%)



- Red (0%)
- Yellow (40%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (30%)



- Cyan (100%)
- Magenta (30%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00B285 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 00B285 by changing the saturation by 10% instead.



 00B285

 00B285

FFFFFF

 00976C

 5FEBBA

 007C53

 7EFFD6

 00623C

 9CFFF2

 004926

 BAF0FF

 003212

 D9FFFF

 001900

 F7FFFF

 000000

 00B285

 12B28A

 24B28E

 35B293

 47B297

 59B29C

 6BB2A0

 7DB2A5

 8EB2A9

 A0B2AD

# Harmonies

## Analogous

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



6CAC5B



00B285



00B3B4

# Triad

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



00B285



7B99F4



E6825D

# Complementary

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



00B285



B2002D

# 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.



F27686



00B285



BF87DC

# Square

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



00B285



00A8F4



E578B4



C99342

# Rectangle

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



00B285



00B2D1



E578B4



EC7D6A



# Sweetspot

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



00B285



A2E8D6



2FB200



4B756B



F5F5F5



757575



# Same Dimension

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



00B285



00E8AD



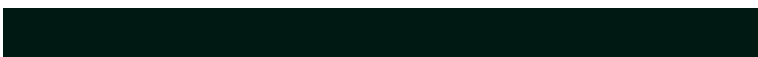
0088B2



505957



009972



001A13



# Inverse Universe

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



B2002D



E8003B



B22A00



595053



990027



1A0006



# Previews

## White Background



This preview shows how the Hex color 00B285 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 00B285 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

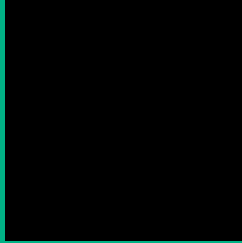
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 00B285 Background



This preview shows how black text looks on a background with the Hex color 00B285.

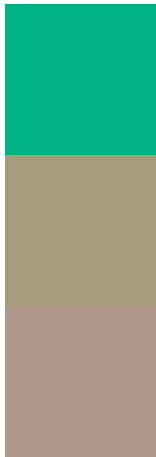


This preview shows how white text looks on a background with the Hex color 00B285.

# 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](#).

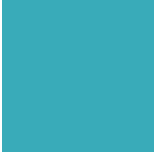
## Dichromacy



**Original Color**  
00B285

**Protanopia**  
A69B7A

**Deuteranopia**  
B1968B



**Tritanopia**  
39ABB9

# Trichromacy



**Original Color**  
00B285



**Protanomaly**  
6AA37E



**Deuteranomaly**  
71A089



**Tritanomaly**  
24AEA6

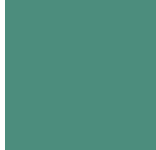
# Monochromacy



**Original Color**  
00B285



**Achromatopsia**  
787878



**Achromatomaly**  
4C8D7D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00B285 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 #00B285 looks like.

```
.text, #text, p{  
    color:#00B285  
}
```

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 #00B285 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B285
}
```

## Border

The CSS property to change the border of an element to Hex 00B285 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
#00B285 }
```

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

```
.border{ border-color:#00B285 }
```

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

Here you see how a box with a 4 pixel #00B285 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B285; -webkit-box-shadow:4px 4px  
4px 4px #00B285; box-shadow:4px 4px 4px  
4px #00B285 }
```

# Background

The CSS property to change the background color of an element to Hex 00B285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B285 }
```

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

```
.background{ background-color:#00B285 }
```

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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