

# Converting Colors

Hex(00B2A2)

Have a look what the booklet for  
Hex(00B2A2) contains.

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**Color**

**Hex(00B2A2)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B2A2
RGB	0, 178, 162
RGB Percent	0%, 70%, 64%
CMY	1.0000, 0.3020, 0.3647
CMYK	1.00, 0.00, 0.09, 0.30
HSL	175°, 100%, 35%
HSV	175°, 100%, 70%
XYZ	22.4420, 34.4494, 39.6490
YIQ	122.9540, -100.9520, -42.7120

# Conversions

## Conversions Part 2

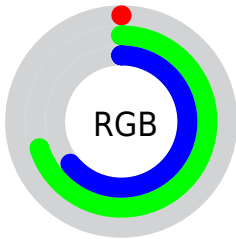
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 93, 178
Decimal	45730
CIELab	65.32, -41.47, -2.62
CIELCh	65, 41.553, 183.610
Yxy	34.4494, 0.2325, 0.3568
Android (android.graphics.Color)	4278235810 (0xFF00B2A2)
YUV	122.9540, 19.2497, -107.8307
Hunter-Lab	58.6936, -34.4629, 1.0337

# Details

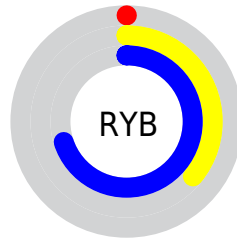
The Hex color **00B2A2** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **B20010**, and the grayscale version is **7B7B7B**.

A 20% lighter version of the original color is **61EAD9**, and **007C6F** is the 20% darker color. If you saturate the color by 10%, you get **00B2A2**, and if you desaturate by 10%, it is **12B2A4**.

# Distribution



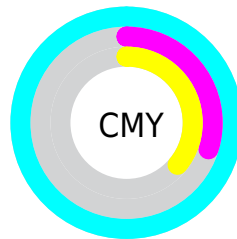
- Red (0%)
- Green (70%)
- Blue (64%)



- Red (0%)
- Yellow (36%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (30%)



- Cyan (100%)
- Magenta (30%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00B2A2 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 00B2A2 by changing the saturation by 10% instead.



 00B2A2

 00B2A2

FFFFFF

 009788

 61EAD9

 007C6F

 80FFF5

 006356

 9FFFFFF

 004A3F

 BDFFFF

 003229

 DCFFFF

 001C15

 FAFFFF

 000000

 00B2A2

 12B2A4

 24B2A5

 35B2A7

 47B2A8

 59B2AA

 6BB2AC

 7DB2AD

 8EB2AF

 A0B2B0

# Harmonies

## Analogous

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



5BAF7C



00B2A2



00B1C7

# Triad

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



00B2A2



A893DD



D0915C

# Complementary

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



00B2A2



B20010

# 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.



E38577



00B2A2



D186C0

# Square

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



00B2A2



6CA1E9



E4809B



B29E53

# Rectangle

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



00B2A2



00AEDA



E4809B



D88C64



# Sweetspot

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



00B2A2



A2E8E2



12B200



4B7572



F5F5F5



757575



# Same Dimension

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



00B2A2



00E8D3



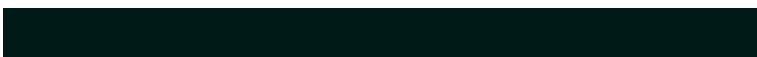
006BB2



505958



00998B



001A17



# Inverse Universe

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



B20010



E80015



B24700



595051



99000E



1A0002



# Previews

## White Background



This preview shows how the Hex color 00B2A2 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 00B2A2 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

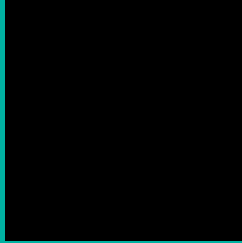
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 00B2A2 Background



This preview shows how black text looks on a background with the Hex color 00B2A2.

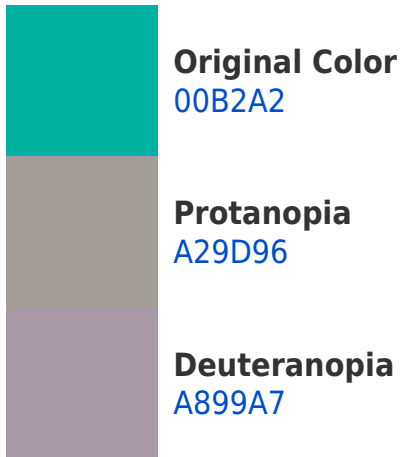


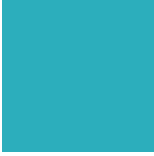
This preview shows how white text looks on a background with the Hex color 00B2A2.

# 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





# Trichromacy



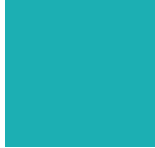
**Original Color**  
00B2A2



**Protanomaly**  
67A59A



**Deuteranomaly**  
6BA2A5



**Tritanomaly**  
1CAFB3

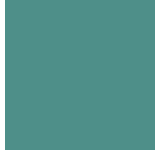
# Monochromacy



**Original Color**  
00B2A2



**Achromatopsia**  
7B7B7B



**Achromatomaly**  
4E8F89

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00B2A2 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 #00B2A2 looks like.

```
.text, #text, p{  
    color:#00B2A2  
}
```

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 #00B2A2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B2A2
}
```

## Border

The CSS property to change the border of an element to Hex 00B2A2 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
#00B2A2 }
```

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

```
.border{ border-color:#00B2A2 }
```

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

Here you see how a box with a 4 pixel #00B2A2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B2A2; -webkit-box-shadow:4px 4px  
4px 4px #00B2A2; box-shadow:4px 4px 4px  
4px #00B2A2 }
```

# Background

The CSS property to change the background color of an element to Hex 00B2A2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B2A2 }
```

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

```
.background{ background-color:#00B2A2 }
```

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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