

Converting Colors

Hex(00B096)

Have a look what the booklet for
Hex(00B096) contains.

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Color

Hex(00B096)

Conversions

Conversions Part 1

Format	Color
Hex	00B096
RGB	0, 176, 150
RGB Percent	0%, 69%, 59%
CMY	1.0000, 0.3098, 0.4118
CMYK	1.00, 0.00, 0.15, 0.31
HSL	171°, 100%, 35%
HSV	171°, 100%, 69%
XYZ	21.0304, 33.2527, 34.1642
YIQ	120.4120, -96.5500, -45.3980

Conversions

Conversions Part 2

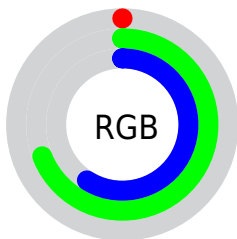
Format	Color
RYB	0, 95, 176
Decimal	45206
CIELab	64.36, -43.98, 2.66
CIELCh	64, 44.064, 176.544
Yxy	33.2527, 0.2378, 0.3760
Android (android.graphics.Color)	4278235286 (0xFF00B096)
YUV	120.4120, 14.5869, -105.6013
Hunter-Lab	57.6651, -35.8154, 5.2388

Details

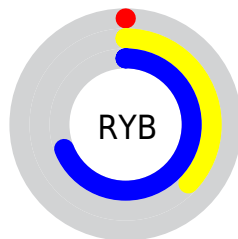
The Hex color **00B096** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **B0001A**, and the grayscale version is **787878**.

A 20% lighter version of the original color is **5FE8CC**, and **007A63** is the 20% darker color. If you saturate the color by 10%, you get **00B096**, and if you desaturate by 10%, it is **12B099**.

Distribution



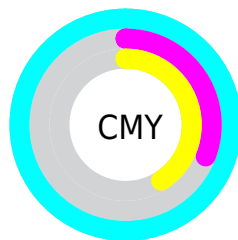
- Red (0%)
- Green (69%)
- Blue (59%)



- Red (0%)
- Yellow (37%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (31%)



- Cyan (100%)
- Magenta (31%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00B096 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 00B096 by changing the saturation by 10% instead.

 00B096

 00B096

FFFFFF

 00957C

 5FE8CC

 007A63

 7FFFE8

 00614C

 9DFFFF

 004835

 BBFFFF

 003020

 D9FFFF

 001809

 F8FFFF

 000000

 00B096

 12B099

 23B09B

 35B09E

 46B0A0

 58B0A3

 6AB0A6

 7BB0A8

 8DB0AB

 9EB0AD

Harmonies

Analogous

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



61AC6F



00B096



00B0BE

Triad

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



00B096



9894E2



D68A5B

Complementary

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



00B096



B0001A

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.



E67E7B



00B096



C985C8

Square

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



00B096



4EA2EA



E27CA2



B8984C

Rectangle

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



00B096



00ADD4



E27CA2



DD8665

Sweetspot

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



00B096



A1E6DB



1AB000



49736D



F2F2F2



737373

Same Dimension

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



00B096



00E6C4



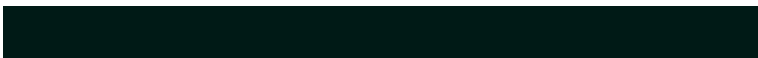
0072B0



505958



009982



001A16

Inverse Universe

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



B0001A



E60022



B03E00



595052



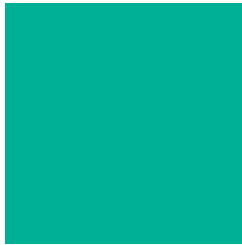
990017



1A0004

Previews

White Background



This preview shows how the Hex color 00B096 looks on a white background.

Color Contrast Check

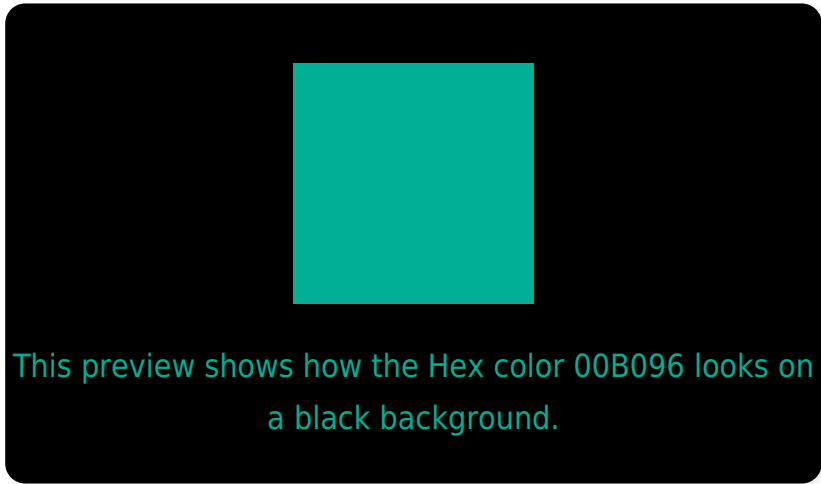
Large Text (above 18pt) WCAG AA × Fail

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 00B096 Background



This preview shows how black text looks on a background with the Hex color 00B096.

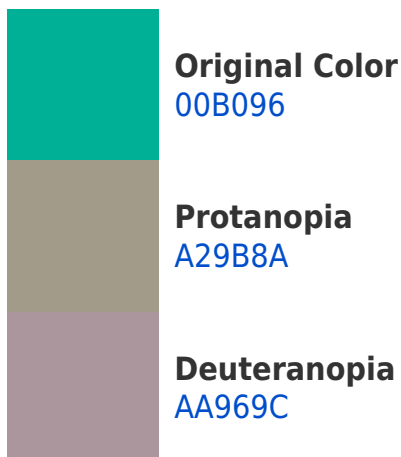


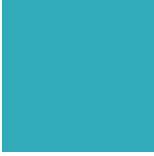
This preview shows how white text looks on a background with the Hex color 00B096.

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
31ABB9

Trichromacy



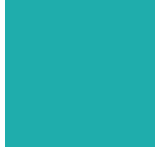
Original Color
00B096



Protanomaly
67A38E



Deuteranomaly
6C9F9A



Tritanomaly
1FADAC

Monochromacy



Original Color
00B096



Achromatopsia
787878



Achromatomaly
4C8C83

CSS Examples

Text

The CSS property to change the color of the text to Hex 00B096 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 #00B096 looks like.

```
.text, #text, p{  
    color:#00B096  
}
```

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 #00B096 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B096  
}
```

Border

The CSS property to change the border of an element to Hex 00B096 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  
#00B096 }
```

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

```
.border{ border-color:#00B096 }
```

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

Here you see how a box with a 4 pixel #00B096 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B096; -webkit-box-shadow:4px 4px  
4px 4px #00B096; box-shadow:4px 4px 4px  
4px #00B096 }
```

Background

The CSS property to change the background color of an element to Hex 00B096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B096 }
```

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

```
.background{ background-color:#00B096 }
```

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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