

# Converting Colors

Hex(00B0A4)

Have a look what the booklet for  
Hex(00B0A4) contains.

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**Color**

**Hex(00B0A4)**

# Conversions

## Conversions Part 1

| Format      | Color                         |
|-------------|-------------------------------|
| Hex         | 00B0A4                        |
| RGB         | 0, 176, 164                   |
| RGB Percent | 0%, 69%, 64%                  |
| CMY         | 1.0000, 0.3098, 0.3569        |
| CMYK        | 1.00, 0.00, 0.07, 0.31        |
| HSL         | 176°, 100%, 35%               |
| HSV         | 176°, 100%, 69%               |
| XYZ         | 22.2262, 33.7310, 40.4613     |
| YIQ         | 122.0080, -101.0440, -41.0440 |

# Conversions

## Conversions Part 2

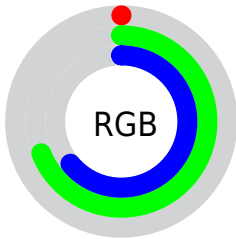
| <b>Format</b>                       | <b>Color</b>                                 |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">0, 91, 176</a>                   |
| Decimal                             | <a href="#">45220</a>                        |
| CIELab                              | <a href="#">64.75, -40.01, -4.57</a>         |
| CIELCh                              | <a href="#">65, 40.270, 186.511</a>          |
| Yxy                                 | <a href="#">33.7310, 0.2305, 0.3498</a>      |
| Android<br>(android.graphics.Color) | <a href="#">4278235300<br/>(0xFF00B0A4)</a>  |
| YUV                                 | <a href="#">122.0080, 20.7021, -107.0010</a> |
| Hunter-Lab                          | <a href="#">58.0784, -33.3266, -0.6505</a>   |

# Details

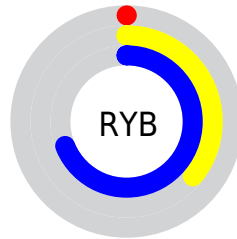
The Hex color **00B0A4** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **B0000C**, and the grayscale version is **7A7A7A**.

A 20% lighter version of the original color is **61E8DB**, and **007B70** is the 20% darker color. If you saturate the color by 10%, you get **00B0A4**, and if you desaturate by 10%, it is **12B0A5**.

# Distribution



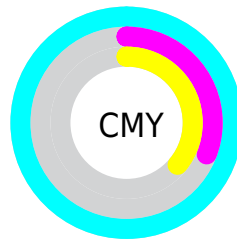
- Red (0%)
- Green (69%)
- Blue (64%)



- Red (0%)
- Yellow (36%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (31%)



- Cyan (100%)
- Magenta (31%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00B0A4 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 00B0A4 by changing the saturation by 10% instead.



 00B0A4

 00B0A4

FFFFFF

 00958A

 61E8DB

 007B70

 80FFF7

 006158

 9FFFFFF

 004841

 BDFFFF

 00312B

 DCFFFF

 001A17

 FAFFFF

 000000

 00B0A4

 12B0A5

 23B0A6

 35B0A8

 46B0A9

 58B0AA

 6AB0AB

 7BB0AC

 8DB0AE

 9EB0AF

# Harmonies

## Analogous

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



58AE7F



00B0A4



00AEC7

# Triad

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



00B0A4



AB91D7



CB915B

# Complementary

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



00B0A4



B0000C

# 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.



DE8574



00B0A4



D085BA

# Square

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



00B0A4



739EE4



E18096



AC9E54

# Rectangle

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



00B0A4



00ABD8



E18096



D38D62



# Sweetspot

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



00B0A4



A1E6E1



0FB000



497370



F2F2F2



737373



# Same Dimension

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



00B0A4



00E6D6



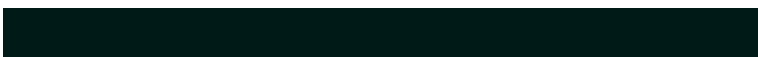
0067B0



505959



00998F



001A18



# Inverse Universe

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



B0000C



E60010



B04900



595051



99000A

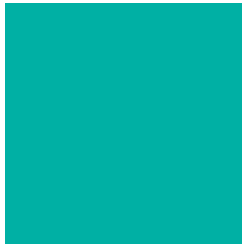


1A0002



# Previews

## White Background



This preview shows how the Hex color 00B0A4 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 00B0A4 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

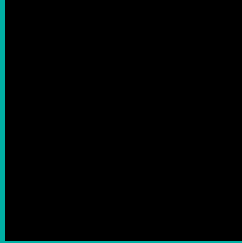
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 00B0A4 Background



This preview shows how black text looks on a background with the Hex color 00B0A4.

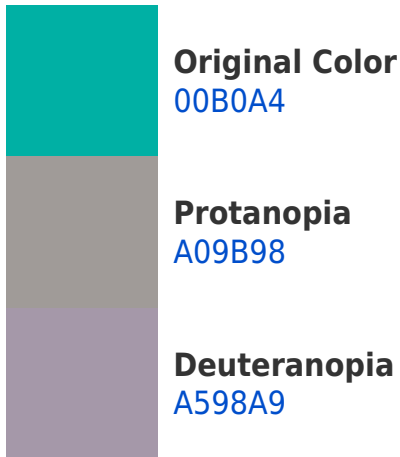


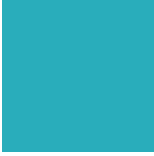
This preview shows how white text looks on a background with the Hex color 00B0A4.

# 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**  
00B0A4



**Protanomaly**  
66A39C



**Deuteranomaly**  
69A1A7



**Tritanomaly**  
1AAEB3

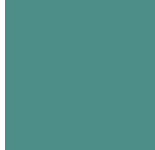
# Monochromacy



**Original Color**  
00B0A4



**Achromatopsia**  
7A7A7A



**Achromatomaly**  
4E8E89

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00B0A4 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 #00B0A4 looks like.

```
.text, #text, p{  
    color:#00B0A4  
}
```

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 #00B0A4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B0A4
}
```

## Border

The CSS property to change the border of an element to Hex 00B0A4 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
#00B0A4 }
```

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

```
.border{ border-color:#00B0A4 }
```

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

Here you see how a box with a 4 pixel #00B0A4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B0A4; -webkit-box-shadow:4px 4px  
4px 4px #00B0A4; box-shadow:4px 4px 4px  
4px #00B0A4 }
```

# Background

The CSS property to change the background color of an element to Hex 00B0A4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B0A4 }
```

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

```
.background{ background-color:#00B0A4 }
```

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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