

# Converting Colors

Hex(50B0A8)

Have a look what the booklet for  
Hex(50B0A8) contains.

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**Color**

**Hex(50B0A8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	50B0A8
RGB	80, 176, 168
RGB Percent	31%, 69%, 66%
CMY	0.6863, 0.3098, 0.3412
CMYK	0.55, 0.00, 0.05, 0.31
HSL	175°, 38%, 50%
HSV	175°, 55%, 69%
XYZ	25.9015, 35.5833, 42.5489
YIQ	146.3840, -54.6480, -22.8400

# Conversions

## Conversions Part 2

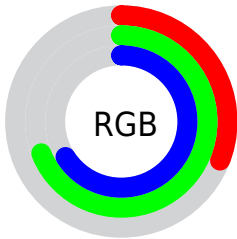
<b>Format</b>	<b>Color</b>
<b>RYB</b>	80, 130, 176
Decimal	5288104
CIELab	66.20, -30.15, -4.50
CIElCh	66, 30.480, 188.481
Yxy	35.5833, 0.2490, 0.3420
Android (android.graphics.Color)	4283478184 (0xFF50B0A8)
YUV	146.3840, 10.6567, -58.2188
Hunter-Lab	59.6517, -26.8837, -0.5347

# Details

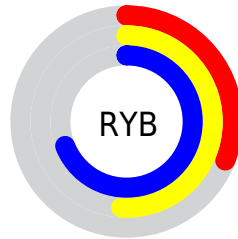
The Hex color **50B0A8** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **B05058**, and the grayscale version is **929292**.

A 20% lighter version of the original color is **89E8DF**, and **017B74** is the 20% darker color. If you saturate the color by 10%, you get **3EB0A7**, and if you desaturate by 10%, it is **62B0A9**.

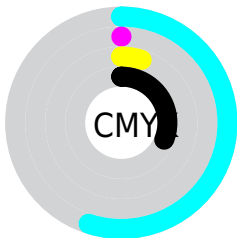
# Distribution



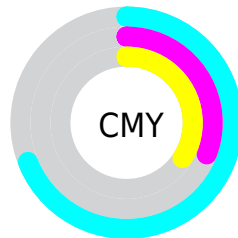
- Red (31%)
- Green (69%)
- Blue (66%)



- Red (31%)
- Yellow (51%)
- Blue (69%)



- Cyan (55%)
- Magenta (0%)
- Yellow (5%)
- Black (31%)



- Cyan (69%)
- Magenta (31%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 50B0A8 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 50B0A8 by changing the saturation by 10% instead.



50B0A8

50B0A8

FFFFFF

31958E

89E8DF

017B74

A6FFFC

00625C

C3FFFF

004944

E0FFFF

00322E

FEFFFF

001E19

000000

50B0A8

50B0A8

3EB0A7

62B0A9

■ 2DB0A5

■ 73B0AB

■ 1BB0A4

■ 85B0AC

■ 0AB0A2

■ 96B0AE

■ 00B0A1

■ A8B0AF

■ BAB0B1

■ CBB0B2

■ DDB0B4

■ EEB0B5

# Harmonies

## Analogous

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



6EAE8C



50B0A8



46AEC2

# Triad

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



50B0A8



AF97CC



C5986F

# Complementary

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



50B0A8



B05058

# 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.



D49080



50B0A8



CA8FB6

# Square

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



50B0A8



88A1D7



D78C9A



ACA26A

# Rectangle

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



50B0A8



54ABCF



D78C9A



CB9573



# Sweetspot

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



50B0A8



C1E6E2



58B050



5D7371



F2F2F2



737373



# Same Dimension

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



50B0A8



50E6D9



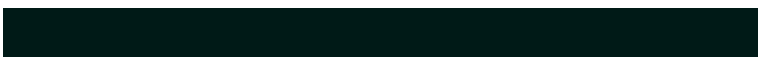
5088B0



505959



00998C



001A17



# Inverse Universe

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



B05058



E6505D



B07850



595051



99000D

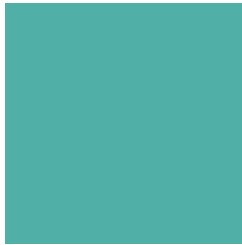


1A0002



# Previews

## White Background



This preview shows how the Hex color 50B0A8 looks on a white background.

## Color Contrast Check

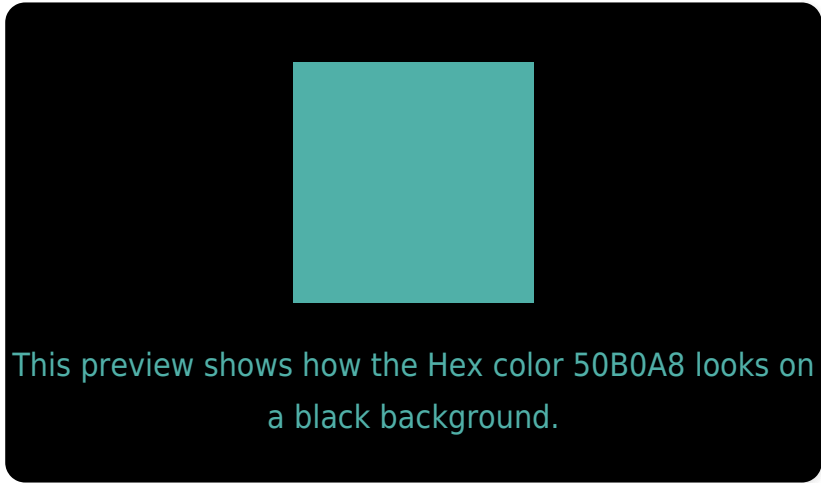
Large Text (above 18pt) WCAG AA × Fail

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

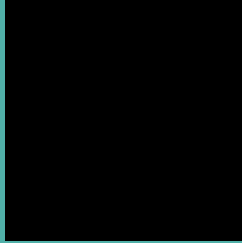
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

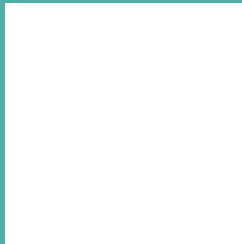
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 50B0A8 Background



This preview shows how black text looks on a background with the Hex color 50B0A8.

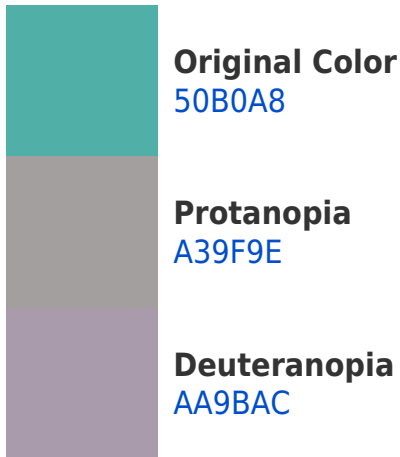


This preview shows how white text looks on a background with the Hex color 50B0A8.

# 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](#).

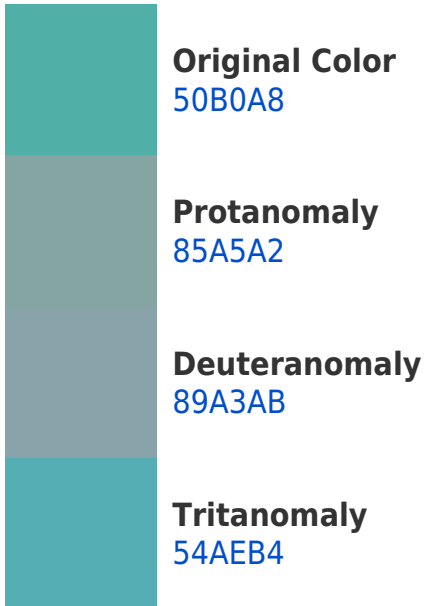
## Dichromacy





**Tritanopia**  
57ADBB

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 50B0A8 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 #50B0A8 looks like.

```
.text, #text, p{  
    color:#50B0A8  
}
```

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 #50B0A8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #50B0A8
}
```

## Border

The CSS property to change the border of an element to Hex 50B0A8 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
#50B0A8 }
```

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

```
.border{ border-color:#50B0A8 }
```

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

Here you see how a box with a 4 pixel #50B0A8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #50B0A8; -webkit-box-shadow:4px 4px  
4px 4px #50B0A8; box-shadow:4px 4px 4px  
4px #50B0A8 }
```

# Background

The CSS property to change the background color of an element to Hex 50B0A8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#50B0A8 }
```

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

```
.background{ background-color:#50B0A8 }
```

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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