

# Converting Colors

Hex(51A8A0)

Have a look what the booklet for  
Hex(51A8A0) contains.

<b>Hex(51A8A0)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(51A8A0)**

# Conversions

## Conversions Part 1

Format	Color
Hex	51A8A0
RGB	81, 168, 160
RGB Percent	32%, 66%, 63%
CMY	0.6824, 0.3412, 0.3725
CMYK	0.52, 0.00, 0.05, 0.34
HSL	174°, 35%, 49%
HSV	174°, 52%, 66%
XYZ	23.7411, 32.2927, 38.2395
YIQ	141.0750, -49.2840, -20.9320

# Conversions

## Conversions Part 2

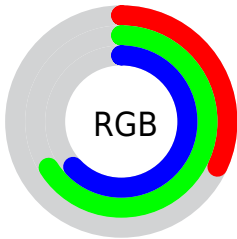
<b>Format</b>	<b>Color</b>
<b>RYB</b>	81, 127, 168
Decimal	5351584
CIELab	63.58, -28.15, -3.89
CIElCh	64, 28.413, 187.875
Yxy	32.2927, 0.2518, 0.3425
Android (android.graphics.Color)	4283541664 (0xFF51A8A0)
YUV	141.0750, 9.3300, -52.6858
Hunter-Lab	56.8266, -24.8725, -0.1185

# Details

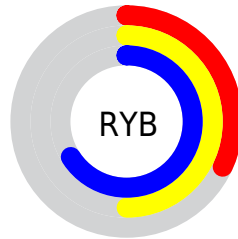
The Hex color **51A8A0** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **A85159**, and the grayscale version is **8D8D8D**.

A 20% lighter version of the original color is **89E0D7**, and **0D736D** is the 20% darker color. If you saturate the color by 10%, you get **40A89E**, and if you desaturate by 10%, it is **62A8A2**.

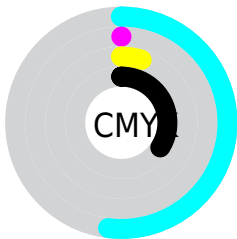
# Distribution



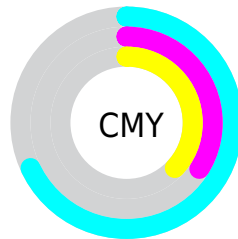
- Red (32%)
- Green (66%)
- Blue (63%)



- Red (32%)
- Yellow (50%)
- Blue (66%)



- Cyan (52%)
- Magenta (0%)
- Yellow (5%)
- Black (34%)



- Cyan (68%)
- Magenta (34%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 51A8A0 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 51A8A0 by changing the saturation by 10% instead.



51A8A0

51A8A0

FFFFFF

348D86

89E0D7

0D736D

A5FCF3

005B54

C2FFFF

00433D

DFFFFFF

002C28

FCFFFF

001513

000000

51A8A0

51A8A0

40A89E

62A8A2

■ 2FA89D

■ 73A8A3

■ 1FA89B

■ 83A8A5

■ 0EA89A

■ 94A8A6

■ 00A899

■ A5A8A8

■ B6A8A9

■ C7A8AB

■ D7A8AC

■ E8A8AE

# Harmonies

## Analogous

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



6CA686



51A8A0



48A6B8

# Triad

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



51A8A0



A691C2



BC926C

# Complementary

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



51A8A0



A85159

# 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.



CA8A7C



51A8A0



C08AAE

# Square

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



51A8A0



839ACC



CC8794



A59B68

# Rectangle

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



51A8A0



54A4C4



CC8794



C28F70



# Sweetspot

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



51A8A0



B8DBD8



5AA851



596E6C



EDEDED



6E6E6E



# Same Dimension

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



51A8A0



53DBCF



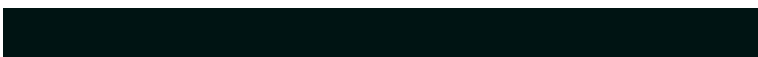
5185A8



4C5453



009486



001413



# Inverse Universe

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



A85159



DB5360



A87451



544C4D



94000E

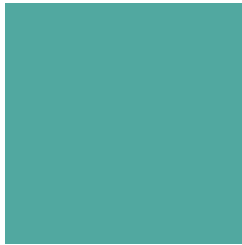


140002



# Previews

## White Background



This preview shows how the Hex color 51A8A0 looks on a white background.

## Color Contrast Check

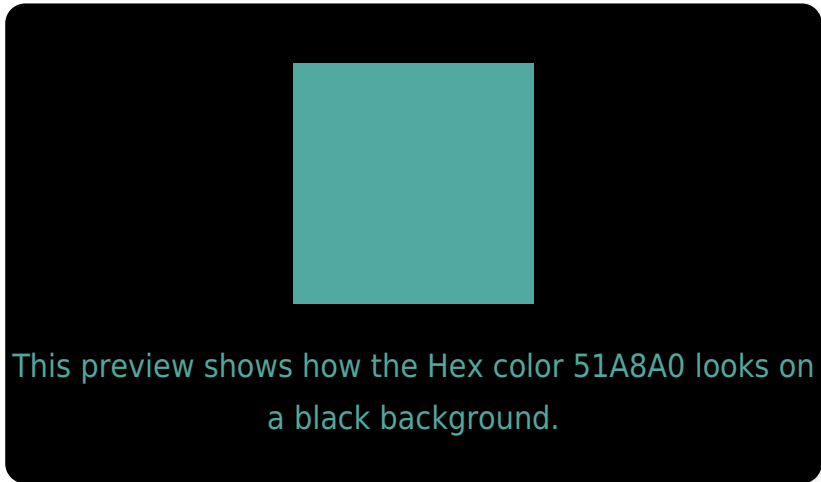
Large Text (above 18pt) WCAG AA × Fail

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

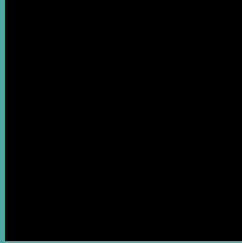
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 51A8A0 Background



This preview shows how black text looks on a background with the Hex color 51A8A0.

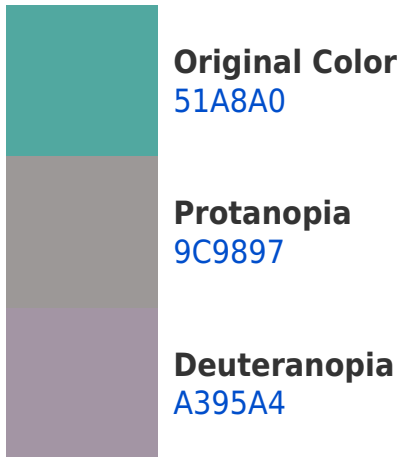


This preview shows how white text looks on a background with the Hex color 51A8A0.

# 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](#).

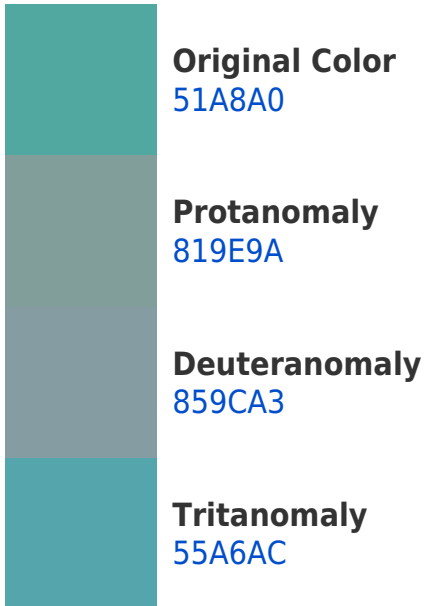
## Dichromacy



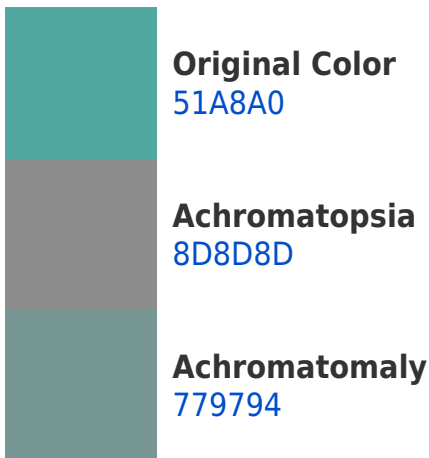


**Tritanopia**  
57A5B3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 51A8A0 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 #51A8A0 looks like.

```
.text, #text, p{  
    color:#51A8A0  
}
```

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 #51A8A0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #51A8A0
}
```

## Border

The CSS property to change the border of an element to Hex 51A8A0 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
#51A8A0 }
```

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

```
.border{ border-color:#51A8A0 }
```

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

Here you see how a box with a 4 pixel #51A8A0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #51A8A0; -webkit-box-shadow:4px 4px  
4px 4px #51A8A0; box-shadow:4px 4px 4px  
4px #51A8A0 }
```

# Background

The CSS property to change the background color of an element to Hex 51A8A0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#51A8A0 }
```

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

```
.background{ background-color:#51A8A0 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor