

# Converting Colors

Hex(51AB9E)

Have a look what the booklet for  
Hex(51AB9E) contains.

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# Color

Hex(51AB9E)

# Conversions

## Conversions Part 1

Format	Color
Hex	51AB9E
RGB	81, 171, 158
RGB Percent	32%, 67%, 62%
CMY	0.6824, 0.3294, 0.3804
CMYK	0.53, 0.00, 0.08, 0.33
HSL	171°, 36%, 49%
HSV	171°, 53%, 67%
XYZ	24.1278, 33.3438, 37.5121
YIQ	142.6080, -49.4670, -23.1230

# Conversions

## Conversions Part 2

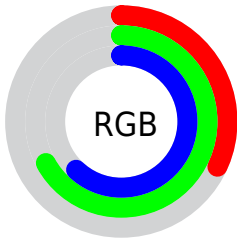
<b>Format</b>	<b>Color</b>
<b>RYB</b>	81, 130, 171
Decimal	5352350
CIELab	64.44, -30.13, -1.52
CIElCh	64, 30.166, 182.887
Yxy	33.3438, 0.2540, 0.3510
Android (android.graphics.Color)	4283542430 (0xFF51AB9E)
YUV	142.6080, 7.5883, -54.0302
Hunter-Lab	57.7441, -26.4676, 1.9045

# Details

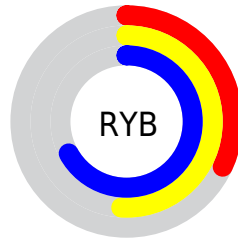
The Hex color **51AB9E** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **AB515E**, and the grayscale version is **8F8F8F**.

A 20% lighter version of the original color is **89E3D5**, and **0C766B** is the 20% darker color. If you saturate the color by 10%, you get **40AB9C**, and if you desaturate by 10%, it is **62ABA0**.

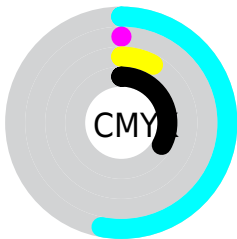
# Distribution



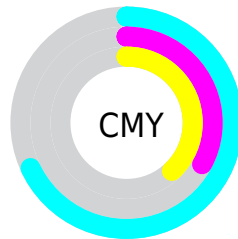
- Red (32%)
- Green (67%)
- Blue (62%)



- Red (32%)
- Yellow (51%)
- Blue (67%)



- Cyan (53%)
- Magenta (0%)
- Yellow (8%)
- Black (33%)



- Cyan (68%)
- Magenta (33%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 51AB9E 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 51AB9E by changing the saturation by 10% instead.



51AB9E

51AB9E

FFFFFF

339084

89E3D5

0C766B

A5FFF1

005D53

C2FFFF

00453C

DFFFFFF

002E26

FDFFFF

001911

000000

51AB9E

51AB9E

40AB9C

62ABA0

 2FAB99

 73ABA3

 1EAB97

 84ABA5

 0DAB94

 95ABA8

 00AB92

 A6ABAA

 B8ABAD

 C9ABAF

 DAABB2

 EBABB4

# Harmonies

## Analogous

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



70A983



51AB9E



41AAB9

# Triad

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



51AB9E



A394C9



C3926D

# Complementary

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



51AB9E



AB515E

# 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.



D08B80



51AB9E



C18CB5

# Square

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



51AB9E



7C9ED2



D0889B



AC9B66

# Rectangle

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



51AB9E



4AA7C6



D0889B



C98F72



# Sweetspot

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



51AB9E



BADED9



5EAB51



5B706D



F0F0F0



707070



# Same Dimension

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



51AB9E



52DECA



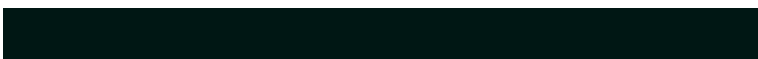
518BAB



4E5755



009681



001714



# Inverse Universe

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



AB515E



DE5266



AB7051



574E4F



960016

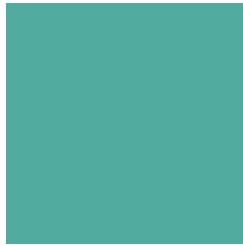


170003



# Previews

## White Background



This preview shows how the Hex color 51AB9E looks on a white background.

## Color Contrast Check

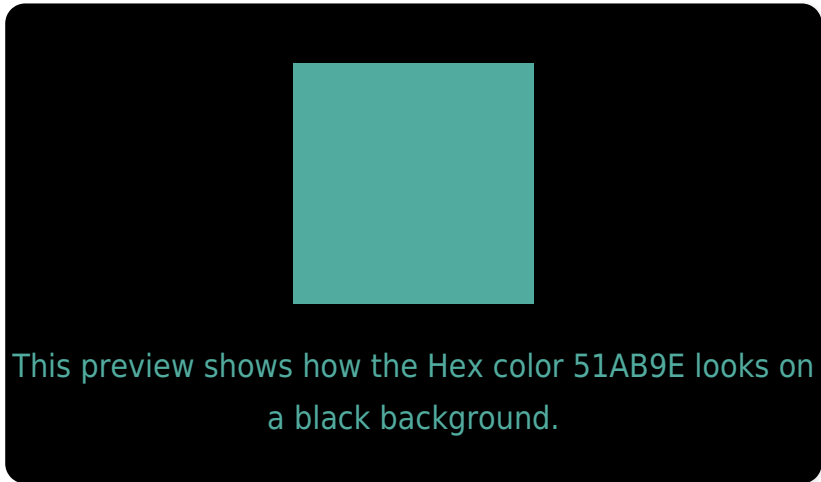
Large Text (above 18pt) WCAG AA × Fail

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

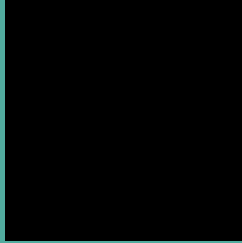
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 51AB9E Background



This preview shows how black text looks on a background with the Hex color 51AB9E.

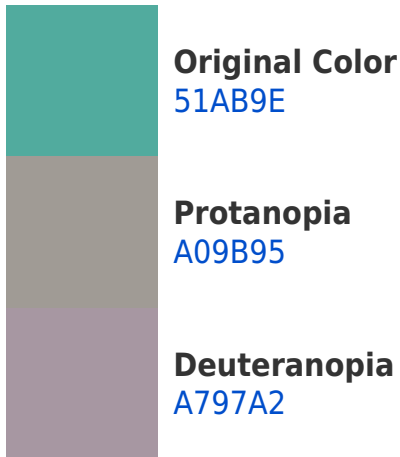


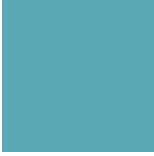
This preview shows how white text looks on a background with the Hex color 51AB9E.

# 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](#).

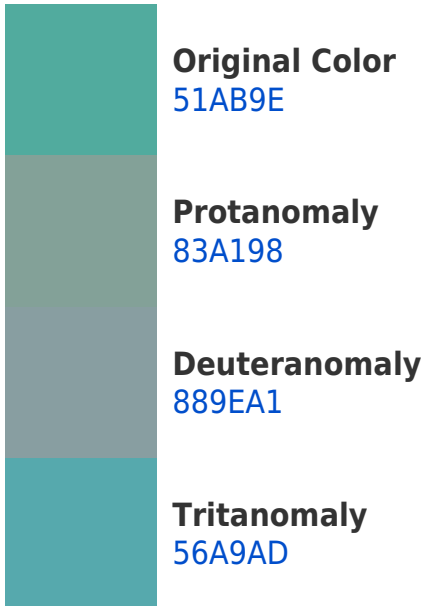
## Dichromacy



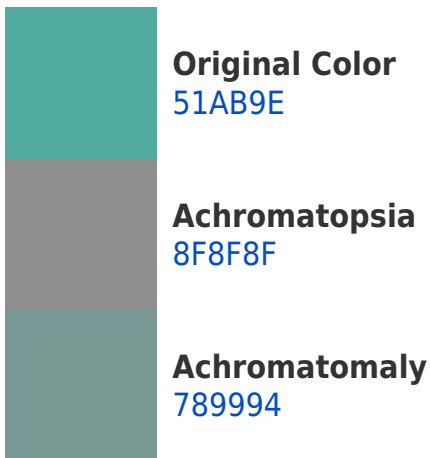


**Tritanopia**  
59A8B5

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 51AB9E 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 #51AB9E looks like.

```
.text, #text, p{  
    color:#51AB9E  
}
```

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 #51AB9E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #51AB9E
}
```

## Border

The CSS property to change the border of an element to Hex 51AB9E 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
#51AB9E }
```

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

```
.border{ border-color:#51AB9E }
```

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

Here you see how a box with a 4 pixel #51AB9E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #51AB9E; -webkit-box-shadow:4px 4px  
4px 4px #51AB9E; box-shadow:4px 4px 4px  
4px #51AB9E }
```

# Background

The CSS property to change the background color of an element to Hex 51AB9E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#51AB9E }
```

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

```
.background{ background-color:#51AB9E }
```

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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