

# Converting Colors

Hex(5AB9A1)

Have a look what the booklet for  
Hex(5AB9A1) contains.

<b>Hex(5AB9A1)</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(5AB9A1)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5AB9A1
RGB	90, 185, 161
RGB Percent	35%, 73%, 63%
CMY	0.6471, 0.2745, 0.3686
CMYK	0.51, 0.00, 0.13, 0.27
HSL	165°, 40%, 54%
HSV	165°, 51%, 73%
XYZ	27.9984, 39.4448, 39.8561
YIQ	153.8590, -48.9160, -27.6040

# Conversions

## Conversions Part 2

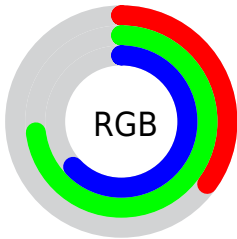
<b>Format</b>	<b>Color</b>
<b>RYB</b>	90, 144, 185
Decimal	5945761
CIELab	69.07, -34.00, 3.61
CIELCh	69, 34.195, 173.942
Yxy	39.4448, 0.2609, 0.3676
Android (android.graphics.Color)	4284135841 (0xFF5AB9A1)
YUV	153.8590, 3.5205, -56.0043
Hunter-Lab	62.8051, -30.3338, 6.3381

# Details

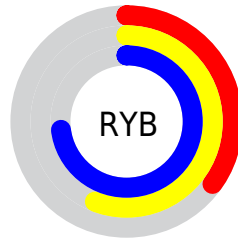
The Hex color **5AB9A1** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **B95A72**, and the grayscale version is **9A9A9A**.

A 20% lighter version of the original color is **92F2D8**, and **1B836E** is the 20% darker color. If you saturate the color by 10%, you get **48B99C**, and if you desaturate by 10%, it is **6DB9A6**.

# Distribution



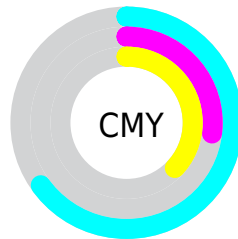
- Red (35%)
- Green (73%)
- Blue (63%)



- Red (35%)
- Yellow (56%)
- Blue (73%)



- Cyan (51%)
- Magenta (0%)
- Yellow (13%)
- Black (27%)



- Cyan (65%)
- Magenta (27%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5AB9A1 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 5AB9A1 by changing the saturation by 10% instead.





5AB9A1



5AB9A1

FFFFFF



3D9E87



92F2D8



1B836E



AFFFF4



006A55



CCFFFF



00513E



E9FFFF



003928



002514



000000



5AB9A1



5AB9A1



48B99C



6DB9A6

 35B998

 7FB9AA

 23B993

 92B9AF

 10B98E

 A4B9B4

 00B98A

 B7B9B8

 C9B9BD

 DCB9C2

 EEB9C6

 FFB9CB

# Harmonies

## Analogous

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



80B583



5AB9A1



3AB9C1

# Triad

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



5AB9A1



A4A3E1



DB9A78

# Complementary

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



5AB9A1



B95A72

# 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.



E69291



5AB9A1



CA98CD

# Square

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



5AB9A1



73AEE6



E091B0



C3A56B

# Rectangle

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



5AB9A1



3BB7D3



E091B0



E0977F



# Sweetspot

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



5AB9A1



CCF0E7



73B95A



627872



F7F7F7



787878



# Same Dimension

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



5AB9A1



5BF0CA



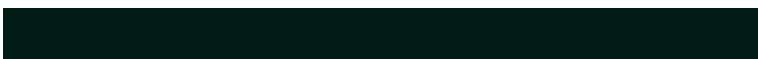
5AA3B9



535C59



009C74



001C15



# Inverse Universe

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



B95A72



F05B81



B9705A



5C5355



9C0027

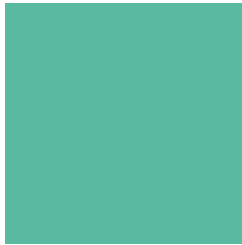


1C0007



# Previews

## White Background



This preview shows how the Hex color 5AB9A1 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 5AB9A1 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

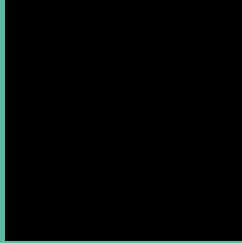
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 5AB9A1 Background



This preview shows how black text looks on a background with the Hex color 5AB9A1.



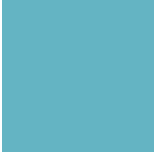
This preview shows how white text looks on a background with the Hex color 5AB9A1.

# 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](#).

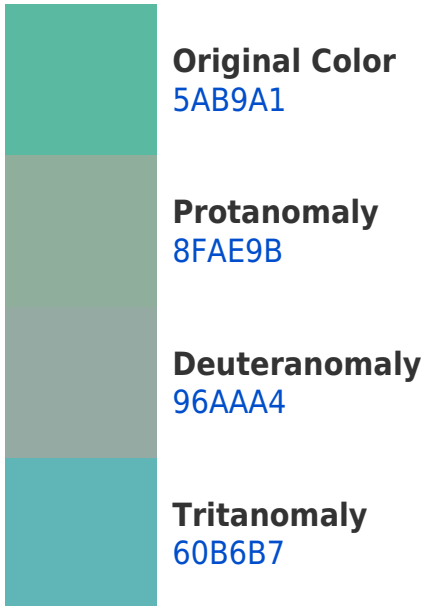
## Dichromacy



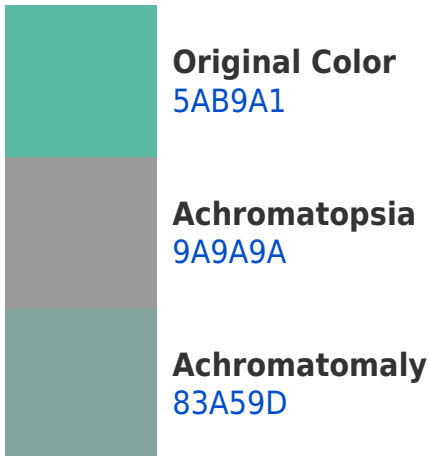


**Tritanopia**  
64B4C3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5AB9A1 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 #5AB9A1 looks like.

```
.text, #text, p{  
    color:#5AB9A1  
}
```

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 #5AB9A1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5AB9A1
}
```

## Border

The CSS property to change the border of an element to Hex 5AB9A1 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
#5AB9A1 }
```

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

```
.border{ border-color:#5AB9A1 }
```

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

Here you see how a box with a 4 pixel #5AB9A1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5AB9A1; -webkit-box-shadow:4px 4px  
4px 4px #5AB9A1; box-shadow:4px 4px 4px  
4px #5AB9A1 }
```

# Background

The CSS property to change the background color of an element to Hex 5AB9A1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5AB9A1 }
```

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

```
.background{ background-color:#5AB9A1 }
```

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