

# Converting Colors

Hex(5AA1B7)

Have a look what the booklet for  
Hex(5AA1B7) contains.

<b>Hex(5AA1B7)</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(5AA1B7)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5AA1B7
RGB	90, 161, 183
RGB Percent	35%, 63%, 72%
CMY	0.6471, 0.3686, 0.2824
CMYK	0.51, 0.12, 0.00, 0.28
HSL	194°, 39%, 54%
HSV	194°, 51%, 72%
XYZ	25.5086, 31.0823, 49.4548
YIQ	142.2790, -49.3780, -8.2100

# Conversions

## Conversions Part 2

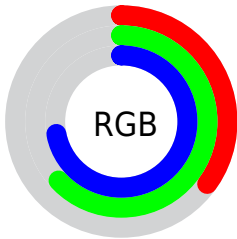
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	90, 130, 183
Decimal	5939639
CIE <sub>Lab</sub>	62.58, -16.18, -18.26
CIE <sub>LCh</sub>	63, 24.395, 228.461
Yxy	31.0823, 0.2405, 0.2931
Android (android.graphics.Color)	4284129719 (0xFF5AA1B7)
YUV	142.2790, 20.0755, -45.8487
Hunter-Lab	55.7515, -15.8942, -13.5676

# Details

The Hex color **5AA1B7** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **B7705A**, and the grayscale version is **8E8E8E**.

A 20% lighter version of the original color is **92D8EF**, and **1D6D82** is the 20% darker color. If you saturate the color by 10%, you get **489DB7**, and if you desaturate by 10%, it is **6CA5B7**.

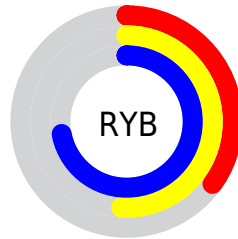
# Distribution



Red (35%)

Green (63%)

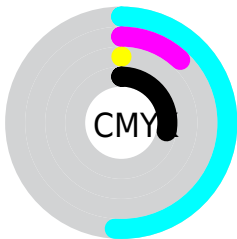
Blue (72%)



Red (35%)

Yellow (51%)

Blue (72%)

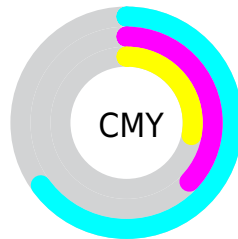


Cyan (51%)

Magenta (12%)

Yellow (0%)

Black (28%)



Cyan (65%)

Magenta (37%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5AA1B7 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 5AA1B7 by changing the saturation by 10% instead.



■ 5AA1B7

■ 5AA1B7

FFFFFF

■ 3D879C

■ 92D8EF

■ 1D6D82

■ AEF4FF

■ 005569

■ CBFFFF

■ 003E51

■ E8FFFF

■ 00283A

■ 001224

■ 00010D

■ 000000

■ 5AA1B7

■ 5AA1B7

■ 489DB7

■ 6CA5B7

■ 3598B7

■ 7FAAB7

■ 2394B7

■ 91AEB7

■ 1190B7

■ A3B2B7

■ 008CB7

■ B6B7B7

■ C8BBB7

■ DABFB7

■ ECC4B7

■ FFC8B7

# Harmonies

## Analogous

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



58A3A4



5AA1B7



719CC1

# Triad

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



5AA1B7



BD88A1



999A6E

# Complementary

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



5AA1B7



B7705A

# 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.



AF936D



5AA1B7



C3888B

# Square

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



5AA1B7



AB8DB4



BE8C78



81A07A

# Rectangle

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



5AA1B7



8597C2



BE8C78



A1986C



# Sweetspot

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



5AA1B7



CAE5ED



5AB770



627378



F7F7F7



787878



# Same Dimension

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



5AA1B7



5CCBED



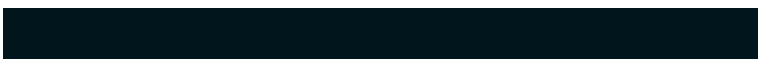
5A73B7



535A5C



00779C



00151C



# Inverse Universe

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



B75AA1



ED5CCB



B79E5A



5C535A



9C0077



1C0015



# Previews

## White Background



This preview shows how the Hex color 5AA1B7 looks on a white background.

## Color Contrast Check

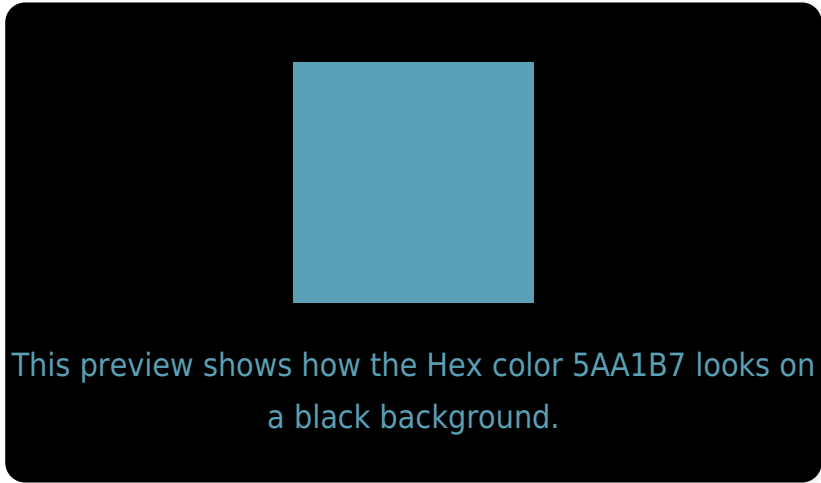
Large Text (above 18pt) WCAG AA × Fail

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

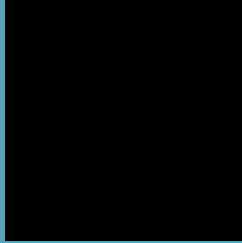
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 5AA1B7 Background



This preview shows how black text looks on a background with the Hex color 5AA1B7.

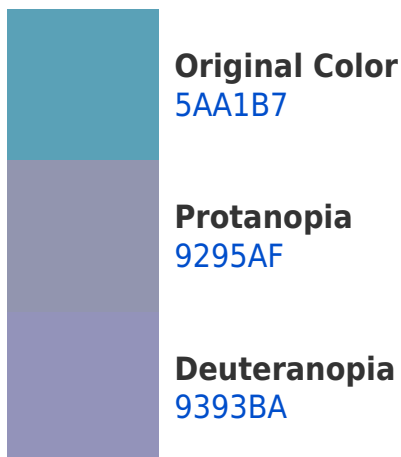


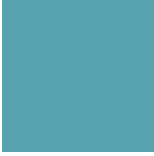
This preview shows how white text looks on a background with the Hex color 5AA1B7.

# 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](#).

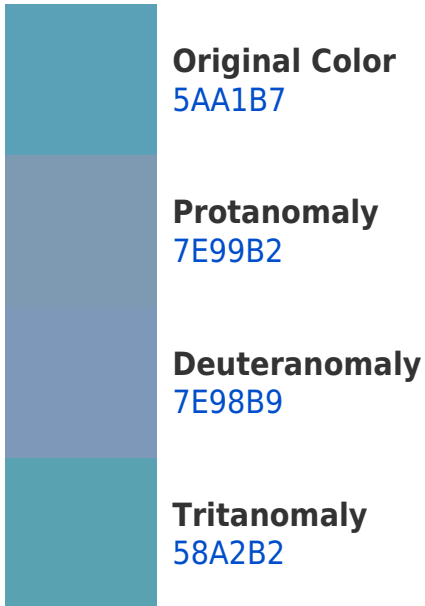
## Dichromacy





**Tritanopia**  
57A2AF

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5AA1B7 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 #5AA1B7 looks like.

```
.text, #text, p{  
    color:#5AA1B7  
}
```

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 #5AA1B7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5AA1B7  
}
```

## Border

The CSS property to change the border of an element to Hex 5AA1B7 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  
#5AA1B7 }
```

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

```
.border{ border-color:#5AA1B7 }
```

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

Here you see how a box with a 4 pixel #5AA1B7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5AA1B7; -webkit-box-shadow:4px 4px  
4px 4px #5AA1B7; box-shadow:4px 4px 4px  
4px #5AA1B7 }
```

# Background

The CSS property to change the background color of an element to Hex 5AA1B7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5AA1B7 }
```

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

```
.background{ background-color:#5AA1B7 }
```

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