

# Converting Colors

Hex(5AAE9E)

Have a look what the booklet for  
Hex(5AAE9E) contains.

<b>Hex(5AAE9E)</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(5AAE9E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5AAE9E
RGB	90, 174, 158
RGB Percent	35%, 68%, 62%
CMY	0.6471, 0.3176, 0.3804
CMYK	0.48, 0.00, 0.09, 0.32
HSL	169°, 34%, 52%
HSV	169°, 48%, 68%
XYZ	25.5241, 34.9144, 37.7416
YIQ	147.0600, -44.9280, -22.7840

# Conversions

## Conversions Part 2

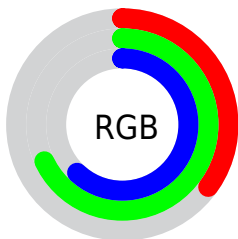
Format	Color
<a href="#">RYB</a>	<a href="#">90, 136, 174</a>
Decimal	<a href="#">5942942</a>
CIELab	<a href="#">65.68, -29.50, 0.34</a>
CIElCh	<a href="#">66, 29.497, 179.341</a>
Yxy	<a href="#">34.9144, 0.2600, 0.3556</a>
Android (android.graphics.Color)	<a href="#">4284133022 (0xFF5AAE9E)</a>
YUV	<a href="#">147.0600, 5.3934, -50.0416</a>
Hunter-Lab	<a href="#">59.0884, -26.2991, 3.4915</a>

# Details

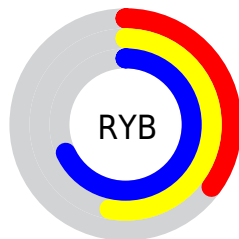
The Hex color **5AAE9E** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **AE5A6A**, and the grayscale version is **939393**.

A 20% lighter version of the original color is **91E6D5**, and **1F796B** is the 20% darker color. If you saturate the color by 10%, you get **49AE9B**, and if you desaturate by 10%, it is **6BAEA1**.

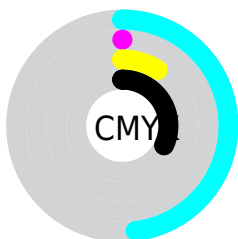
# Distribution



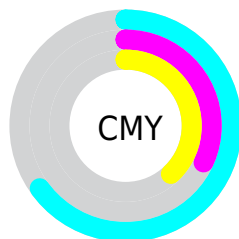
- Red (35%)
- Green (68%)
- Blue (62%)



- Red (35%)
- Yellow (53%)
- Blue (68%)



- Cyan (48%)
- Magenta (0%)
- Yellow (9%)
- Black (32%)



- Cyan (65%)
- Magenta (32%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5AAE9E 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 5AAE9E by changing the saturation by 10% instead.





5AAE9E



5AAE9E

FFFFFF



3E9384



91E6D5



1F796B



ADFFF1



006053



CAFFFF



00483C



E7FFFF



003026



001D11



000000



5AAE9E



5AAE9E



49AE9B



6BAEA1

 37AE97

 7DAEA5

 26AE94

 8EAEA8

 14AE91

 A0AEB

 03AE8D

 B1AEAF

 00AE8D

 C2AEB2

 D4AEB5

 E5AEB9

 F7AEB

# Harmonies

## Analogous

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



78AB84



5AAE9E



49ADB8

# Triad

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



5AAE9E



A299CE



C89573

# Complementary

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



5AAE9E



AE5A6A

# 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.



D48E87



5AAE9E



C190BB

# Square

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



5AAE9E



7CA2D4



D28CA1



B39E6B

# Rectangle

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



5AAE9E



4EABC7



D28CA1



CD9279



# Sweetspot

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



5AAE9E



C3E3DD



6BAE5A



5F736F



F2F2F2



737373



# Same Dimension

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



5AAE9E



5FE3CA



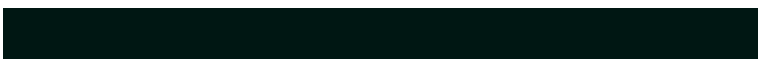
5A95AE



4E5755



00967A



001713



# Inverse Universe

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



AE5A6A



E35F78



AE735A



574E50



96001D

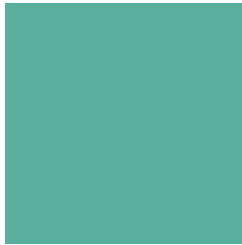


170004



# Previews

## White Background



This preview shows how the Hex color 5AAE9E looks on a white background.

## Color Contrast Check

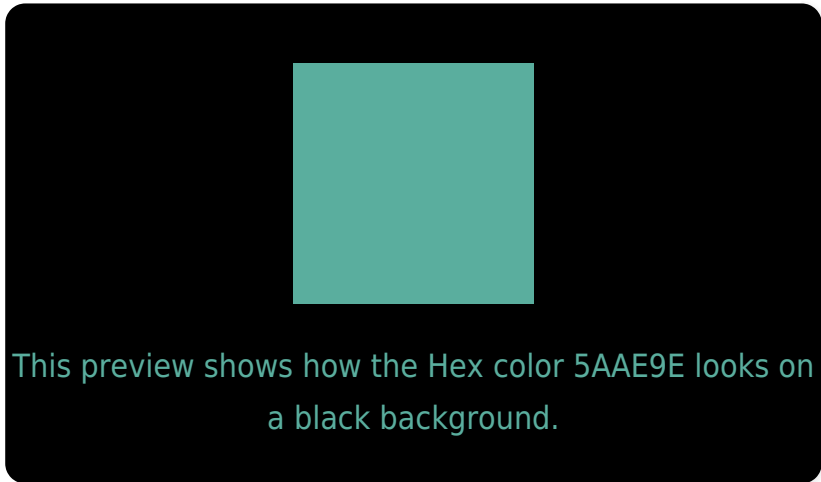
Large Text (above 18pt) WCAG AA × Fail

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

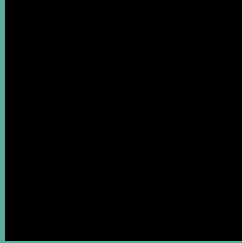
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 5AAE9E Background



This preview shows how black text looks on a background with the Hex color 5AAE9E.

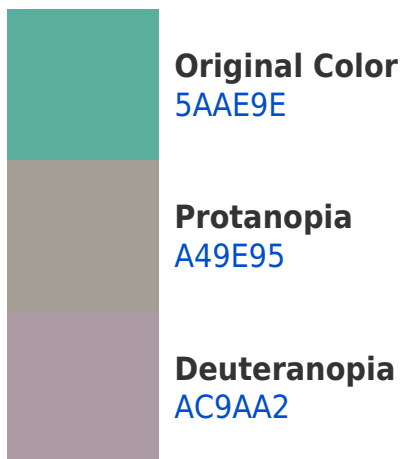


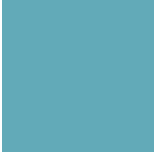
This preview shows how white text looks on a background with the Hex color 5AAE9E.

# 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](#).

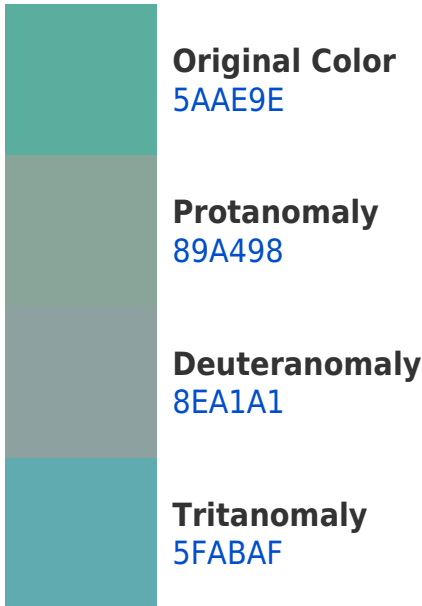
## Dichromacy





**Tritanopia**  
62AAB8

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5AAE9E 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 #5AAE9E looks like.

```
.text, #text, p{  
    color:#5AAE9E  
}
```

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 #5AAE9E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5AAE9E
}
```

## Border

The CSS property to change the border of an element to Hex 5AAE9E 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
#5AAE9E }
```

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

```
.border{ border-color:#5AAE9E }
```

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

Here you see how a box with a 4 pixel #5AAE9E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5AAE9E; -webkit-box-shadow:4px 4px  
4px 4px #5AAE9E; box-shadow:4px 4px 4px  
4px #5AAE9E }
```

# Background

The CSS property to change the background color of an element to Hex 5AAE9E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5AAE9E }
```

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

```
.background{ background-color:#5AAE9E }
```

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