

# Converting Colors

Hex(5AA97A)

Have a look what the booklet for  
Hex(5AA97A) contains.

<b>Hex(5AA97A)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(5AA97A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5AA97A
RGB	90, 169, 122
RGB Percent	35%, 66%, 48%
CMY	0.6471, 0.3373, 0.5216
CMYK	0.47, 0.00, 0.28, 0.34
HSL	144°, 31%, 51%
HSV	144°, 47%, 66%
XYZ	21.9173, 31.9547, 23.4251
YIQ	140.0210, -31.9970, -31.3650

# Conversions

## Conversions Part 2

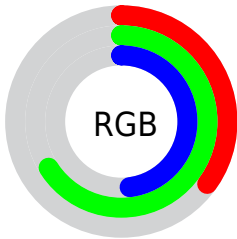
<b>Format</b>	<b>Color</b>
<b>RYB</b>	90, 146, 169
Decimal	5941626
CIELab	63.31, -35.22, 16.89
CIELCh	63, 39.065, 154.378
Yxy	31.9547, 0.2835, 0.4134
Android (android.graphics.Color)	4284131706 (0xFF5AA97A)
YUV	140.0210, -8.8844, -43.8684
Hunter-Lab	56.5285, -29.7168, 15.0005

# Details

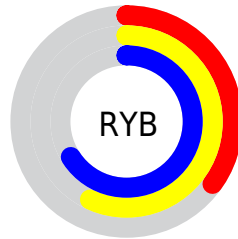
The Hex color **5AA97A** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **A95A89**, and the grayscale version is **8C8C8C**.

A 20% lighter version of the original color is **90E1AF**, and **227449** is the 20% darker color. If you saturate the color by 10%, you get **49A970**, and if you desaturate by 10%, it is **6BA984**.

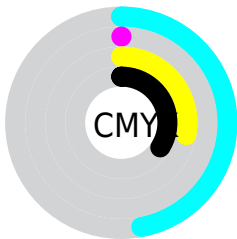
# Distribution



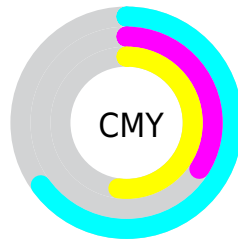
- Red (35%)
- Green (66%)
- Blue (48%)



- Red (35%)
- Yellow (57%)
- Blue (66%)



- Cyan (47%)
- Magenta (0%)
- Yellow (28%)
- Black (34%)



- Cyan (65%)
- Magenta (34%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5AA97A 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 5AA97A by changing the saturation by 10% instead.



 5AA97A

 5AA97A

FFFFFF

 3F8E61

 90E1AF

 227449

 ACFECA

 005B32

 C8FFE6

 00431D

 E5FFFF

 002C05

 001400

 000000

 5AA97A

 5AA97A

 49A970

 6BA984

 38A966

 7CA98E

 27A95C

 8DA998

 16A952

 9EA9A2

 05A948

 AEA9AC

 00A944

 BFA9B6

 D0A9C0

 E1A9CA

 F2A9D4

# Harmonies

## Analogous

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



86A35E



5AA97A



17AC9D

# Triad

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



5AA97A



6C9BDE



D98274

# Complementary

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



5AA97A



A95A89

# 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.



DB7D95



5AA97A



A38ED3

# Square

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



5AA97A



18A5D7



C982B8



C88D5B

# Rectangle

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



5AA97A



00ABB5



C982B8



DC7F7E



# Sweetspot

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



5AA97A



BDDBC9



89A95A



5B6E63



EDEDED



6E6E6E



# Same Dimension

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



5AA97A



60DB92



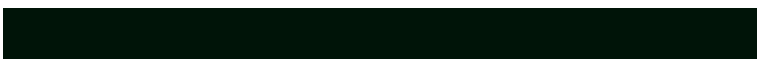
5AA9A1



4C544F



00943C



001408



# Inverse Universe

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



A95A89



DB60AA



A95A62



544C51



940058



14000C



# Previews

## White Background



This preview shows how the Hex color 5AA97A looks on a white background.

## Color Contrast Check

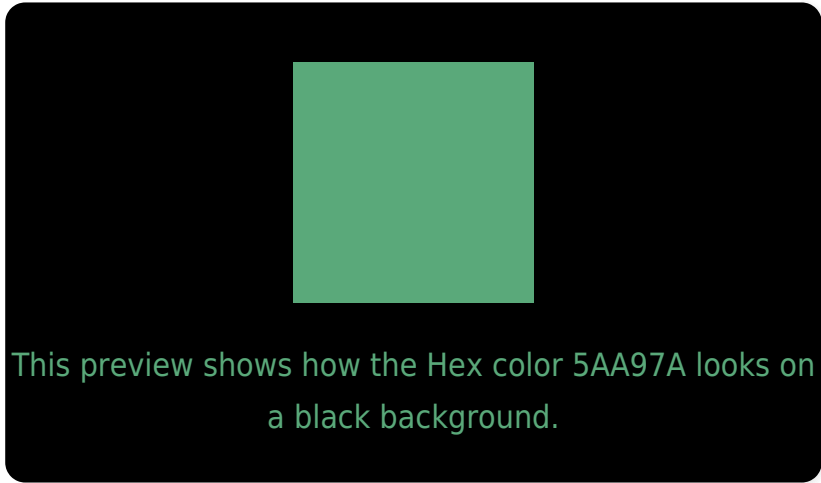
Large Text (above 18pt) WCAG AA × Fail

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

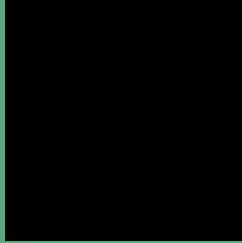
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 5AA97A Background



This preview shows how black text looks on a background with the Hex color 5AA97A.

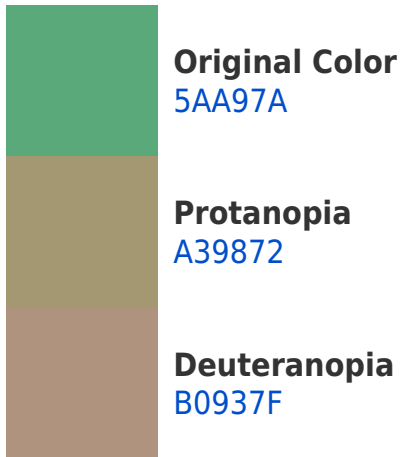


This preview shows how white text looks on a background with the Hex color 5AA97A.

# 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](#).

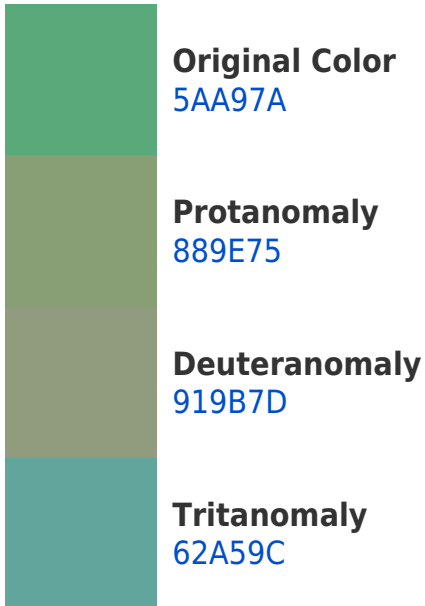
## Dichromacy



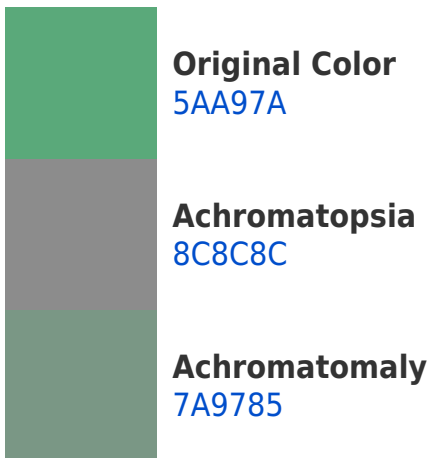


**Tritanopia**  
67A2AF

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5AA97A 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 #5AA97A looks like.

```
.text, #text, p{  
    color:#5AA97A  
}
```

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 #5AA97A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5AA97A
}
```

## Border

The CSS property to change the border of an element to Hex 5AA97A 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
#5AA97A }
```

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

```
.border{ border-color:#5AA97A }
```

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

Here you see how a box with a 4 pixel #5AA97A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5AA97A; -webkit-box-shadow:4px 4px  
4px 4px #5AA97A; box-shadow:4px 4px 4px  
4px #5AA97A }
```

# Background

The CSS property to change the background color of an element to Hex 5AA97A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5AA97A }
```

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

```
.background{ background-color:#5AA97A }
```

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