

# Converting Colors

Hex(5AA66C)

Have a look what the booklet for  
Hex(5AA66C) contains.

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# **Color**

**Hex(5AA66C)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5AA66C
RGB	90, 166, 108
RGB Percent	35%, 65%, 42%
CMY	0.6471, 0.3490, 0.5765
CMYK	0.46, 0.00, 0.35, 0.35
HSL	134°, 30%, 50%
HSV	134°, 46%, 65%
XYZ	20.5594, 30.5288, 18.9964
YIQ	136.6640, -26.6780, -34.1500

# Conversions

## Conversions Part 2

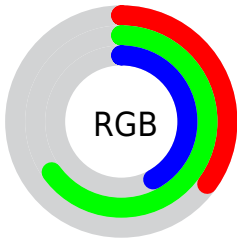
<b>Format</b>	<b>Color</b>
<b>RYB</b>	90, 151, 166
Decimal	5940844
CIELab	62.11, -36.53, 22.91
CIElCh	62, 43.121, 147.901
Yxy	30.5288, 0.2934, 0.4356
Android (android.graphics.Color)	4284130924 (0xFF5AA66C)
YUV	136.6640, -14.1314, -40.9243
Hunter-Lab	55.2529, -30.2732, 18.2926

# Details

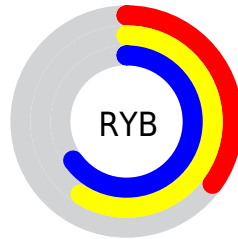
The Hex color **5AA66C** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **A65A94**, and the grayscale version is **898989**.

A 20% lighter version of the original color is **90DEA0**, and **23713C** is the 20% darker color. If you saturate the color by 10%, you get **49A65F**, and if you desaturate by 10%, it is **6BA679**.

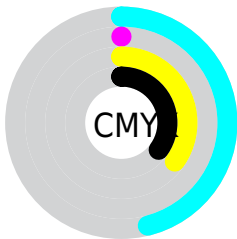
# Distribution



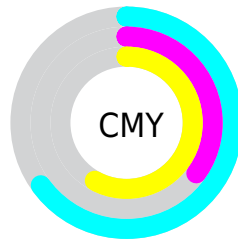
- Red (35%)
- Green (65%)
- Blue (42%)



- Red (35%)
- Yellow (59%)
- Blue (65%)



- Cyan (46%)
- Magenta (0%)
- Yellow (35%)
- Black (35%)



- Cyan (65%)
- Magenta (35%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5AA66C 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 5AA66C by changing the saturation by 10% instead.



 5AA66C

 5AA66C

FFFFFF

 3F8B53

 90DEA0

 23713C

 ACFABB

 005825

 C8FFD7

 00400F

 E5FFF3

 002A00

 000E00

 000000

 5AA66C

 5AA66C

 49A65F

 6BA679

 39A653

 7BA685

 28A646

 8CA692

 18A639

 9CA69F

 07A62D

 ADA6AB

 00A627

 BEA6B8

 CEA6C5

 DFA6D1

 EFA6DE

# Harmonies

## Analogous

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



899E50



5AA66C



00AA92

# Triad

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



5AA66C



4E9BE2



DD7A74

# Complementary

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



5AA66C



A65A94

# 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.



DB779A



5AA66C



958DDA

# Square

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



5AA66C



00A4D6



C37FBF



CD8556

# Rectangle

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



5AA66C



00AAAC



C37FBF



DF7781



# Sweetspot

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



5AA66C



BAD9C2



94A65A



5B6E5F



EDEDED



6E6E6E



# Same Dimension

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



5AA66C



62D97E



5AA692



4C544E



009423



001405



# Inverse Universe

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



A65A94



D962BD



A65A6E



544C52



940071



140010



# Previews

## White Background



This preview shows how the Hex color 5AA66C looks on a white background.

## Color Contrast Check

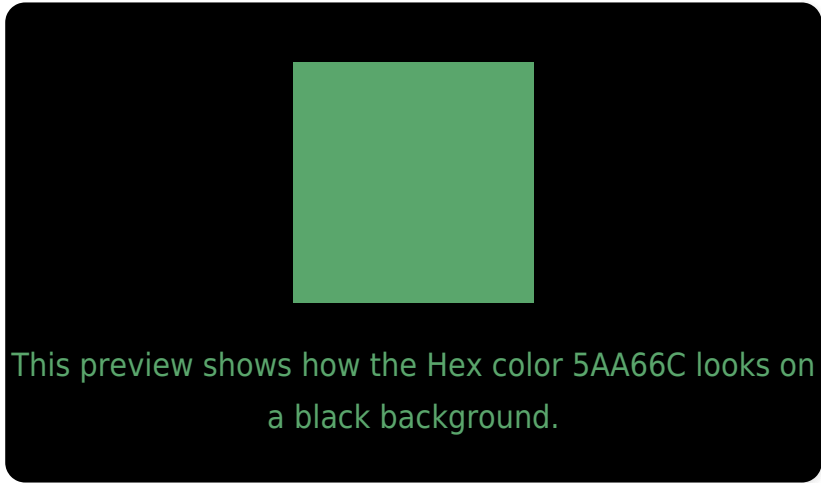
Large Text (above 18pt) WCAG AA × Fail

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

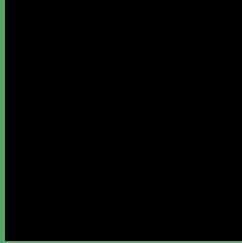
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 5AA66C Background



This preview shows how black text looks on a background with the Hex color 5AA66C.



This preview shows how white text looks on a background with the Hex color 5AA66C.

# Color Blindness Simulation

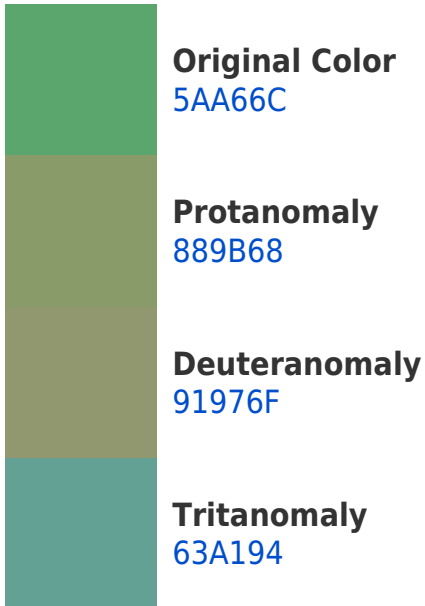
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

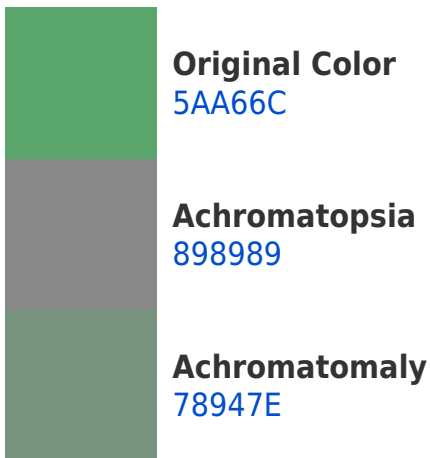




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5AA66C 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 #5AA66C looks like.

```
.text, #text, p{  
    color:#5AA66C  
}
```

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 #5AA66C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5AA66C
}
```

## Border

The CSS property to change the border of an element to Hex 5AA66C 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
#5AA66C }
```

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

```
.border{ border-color:#5AA66C }
```

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

Here you see how a box with a 4 pixel #5AA66C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5AA66C; -webkit-box-shadow:4px 4px  
4px 4px #5AA66C; box-shadow:4px 4px 4px  
4px #5AA66C }
```

# Background

The CSS property to change the background color of an element to Hex 5AA66C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5AA66C }
```

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

```
.background{ background-color:#5AA66C }
```

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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