

# Converting Colors

Hex(5AAF64)

Have a look what the booklet for  
Hex(5AAF64) contains.

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# Color

Hex(5AAF64)

# Conversions

## Conversions Part 1

Format	Color
Hex	5AAF64
RGB	90, 175, 100
RGB Percent	35%, 69%, 39%
CMY	0.6471, 0.3137, 0.6078
CMYK	0.49, 0.00, 0.43, 0.31
HSL	127°, 35%, 52%
HSV	127°, 49%, 69%
XYZ	21.8467, 33.7537, 17.4203
YIQ	141.0350, -26.5850, -41.3450

# Conversions

## Conversions Part 2

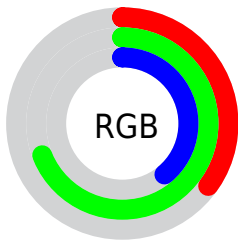
<b>Format</b>	<b>Color</b>
<b>RYB</b>	90, 166, 175
Decimal	5943140
CIELab	64.77, -41.85, 30.68
CIELCh	65, 51.891, 143.758
Yxy	33.7537, 0.2992, 0.4622
Android (android.graphics.Color)	4284133220 (0xFF5AAF64)
YUV	141.0350, -20.2303, -44.7577
Hunter-Lab	58.0979, -34.5497, 22.8909

# Details

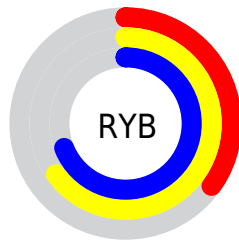
The Hex color **5AAF64** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **AF5AA5**, and the grayscale version is **8D8D8D**.

A 20% lighter version of the original color is **91E798**, and **1F7A33** is the 20% darker color. If you saturate the color by 10%, you get **49AF55**, and if you desaturate by 10%, it is **6CAF73**.

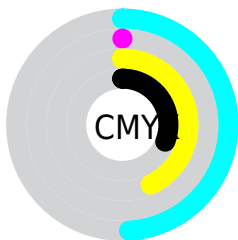
# Distribution



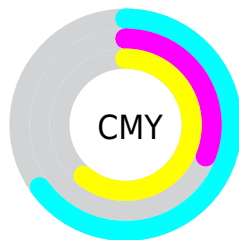
- Red (35%)
- Green (69%)
- Blue (39%)



- Red (35%)
- Yellow (65%)
- Blue (69%)



- Cyan (49%)
- Magenta (0%)
- Yellow (43%)
- Black (31%)



- Cyan (65%)
- Magenta (31%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5AAF64 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 5AAF64 by changing the saturation by 10% instead.



 5AAF64

 5AAF64

FFFFFF

 3E944B

 91E798

 1F7A33

 ADFFB3

 00601C

 CAFFCF

 004803

 E7FFEB

 003000

 001900

 000000

 5AAF64

 5AAF64

 49AF55

 6CAF73

 37AF45

 7DAF83

 26AF36

 8FAF92

 14AF26

 A0AFA2

 03AF17

 B2AFB1

 00AF15

 C3AFC1

 D5AFD0

 E6AFE0

 F8AFEF

# Harmonies

## Analogous

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



93A644



5AAF64



00B492

# Triad

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



5AAF64



00A5F9



F3787A

# Complementary

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



5AAF64



AF5AA5

# 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.



ED76A9



5AAF64



9095F2

# Square

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



5AAF64



00AFE7



CD82D5



E28653

# Rectangle

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



5AAF64



00B4B2



CD82D5



F47589



# Sweetspot

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



5AAF64



C1E3C5



A5AF5A



5E7361



F2F2F2



737373



# Same Dimension

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



5AAF64



5FE36F



5AAF8E



4E574F



009612



001703



# Inverse Universe

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



AF5AA5



E35FD3



AF5A7B



574E56



960085



170014



# Previews

## White Background



This preview shows how the Hex color 5AAF64 looks on a white background.

## Color Contrast Check

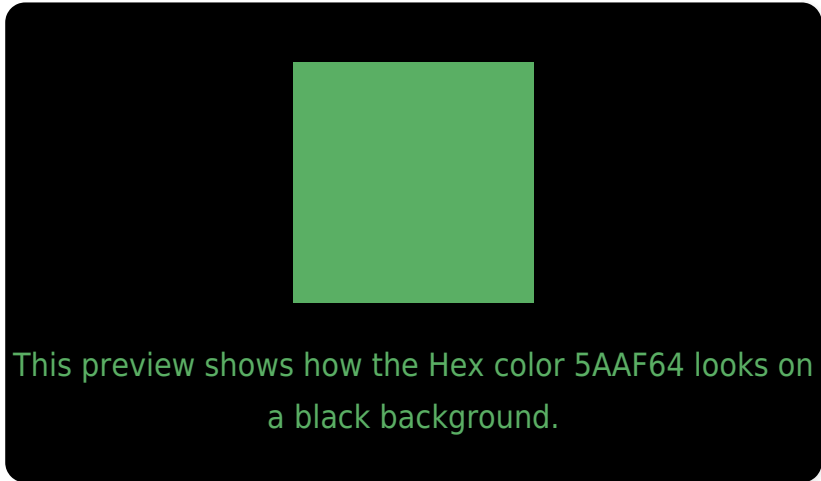
Large Text (above 18pt) WCAG AA × Fail

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 5AAF64 Background



This preview shows how black text looks on a background with the Hex color 5AAF64.

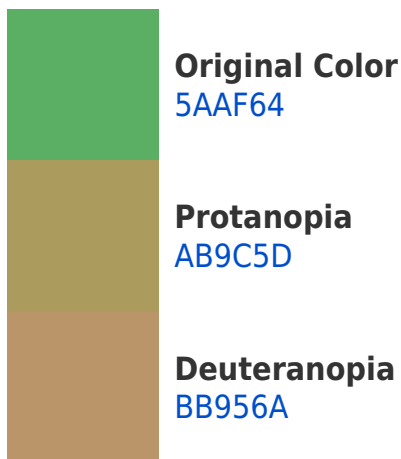


This preview shows how white text looks on a background with the Hex color 5AAF64.

# 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](#).

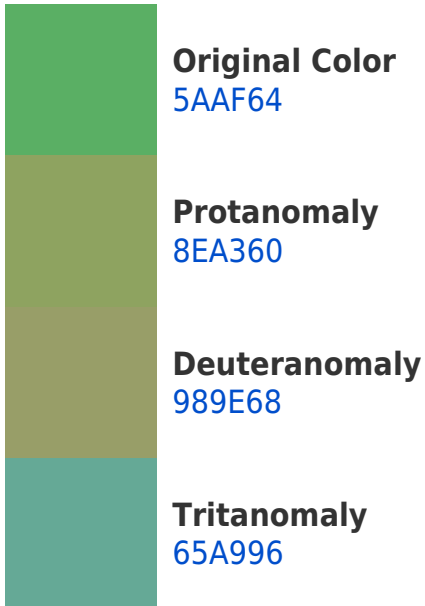
## Dichromacy



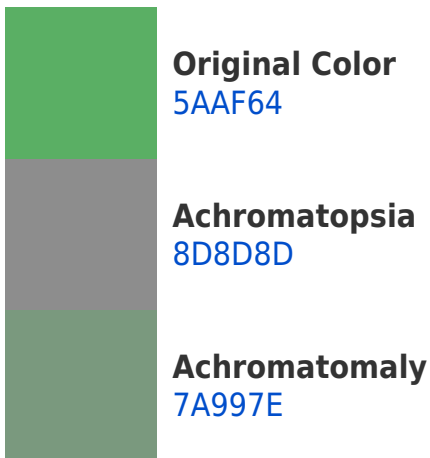


**Tritanopia**  
6CA6B3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5AAF64 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 #5AAF64 looks like.

```
.text, #text, p{  
    color:#5AAF64  
}
```

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 #5AAF64 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5AAF64
}
```

## Border

The CSS property to change the border of an element to Hex 5AAF64 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
#5AAF64 }
```

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

```
.border{ border-color:#5AAF64 }
```

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

Here you see how a box with a 4 pixel #5AAF64 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5AAF64; -webkit-box-shadow:4px 4px  
4px 4px #5AAF64; box-shadow:4px 4px 4px  
4px #5AAF64 }
```

# Background

The CSS property to change the background color of an element to Hex 5AAF64 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5AAF64 }
```

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

```
.background{ background-color:#5AAF64 }
```

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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