

# Converting Colors

Hex(5A7F5F)

Have a look what the booklet for  
Hex(5A7F5F) contains.

<b>Hex(5A7F5F)</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(5A7F5F)

# Conversions

## Conversions Part 1

Format	Color
Hex	5A7F5F
RGB	90, 127, 95
RGB Percent	35%, 50%, 37%
CMY	0.6471, 0.5020, 0.6275
CMYK	0.29, 0.00, 0.25, 0.50
HSL	128°, 17%, 43%
HSV	128°, 29%, 50%
XYZ	13.8714, 18.1786, 13.6042
YIQ	112.2890, -11.7800, -17.7960

# Conversions

## Conversions Part 2

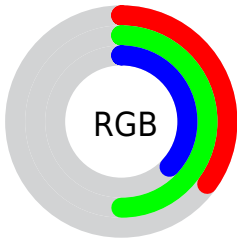
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	90, 123, 127
Decimal	5930847
CIE <sub>Lab</sub>	49.71, -19.99, 13.31
CIE <sub>LCh</sub>	50, 24.020, 146.345
Yxy	18.1786, 0.3038, 0.3982
Android (android.graphics.Color)	4284120927 (0xFF5A7F5F)
YUV	112.2890, -8.5235, -19.5475
Hunter-Lab	42.6364, -16.5403, 10.9275

# Details

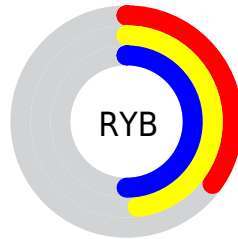
The Hex color **5A7F5F** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **7F5A7A**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **8DB492**, and **2A4E31** is the 20% darker color. If you saturate the color by 10%, you get **4D7F54**, and if you desaturate by 10%, it is **677F6A**.

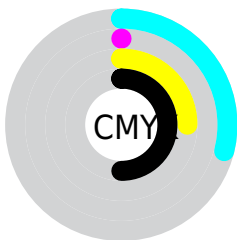
# Distribution



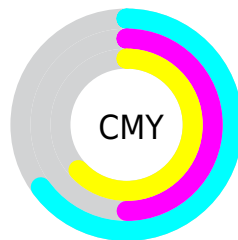
- Red (35%)
- Green (50%)
- Blue (37%)



- Red (35%)
- Yellow (48%)
- Blue (50%)



- Cyan (29%)
- Magenta (0%)
- Yellow (25%)
- Black (50%)



- Cyan (65%)
- Magenta (50%)
- Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5A7F5F 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 5A7F5F by changing the saturation by 10% instead.





5A7F5F



5A7F5F

FFFFFF



426647



8DB492



2A4E31



A8D0AC



13371B



C3ECC8



002102



DFFFE4



000000



FCFFFF



5A7F5F



5A7F5F



4D7F54



677F6A



417F49



737F75

■ 347F3E

■ 807F80

■ 277F33

■ 8D7F8B

■ 1B7F28

■ 9A7F96

■ 0E7F1D

■ A67FA1

■ 017F12

■ B37FAC

■ 007F11

■ C07FB7

■ CC7FC2

# Harmonies

## Analogous

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



727A51



5A7F5F



428173

# Triad

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



5A7F5F



57799F



9F6865

# Complementary

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



5A7F5F



7F5A7A

# 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.



9C677A



5A7F5F



76729B

# Square

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



5A7F5F



3C7E98



8E6B8D



976D55

# Rectangle

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



5A7F5F



368181



8E6B8D



9F676C



# Sweetspot

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



5A7F5F



97A699



7A7F5A



4B544C



D4D4D4



545454



# Same Dimension

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



5A7F5F



6CA674



5A7F71



39403A



008011



000000



# Inverse Universe

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



7F5A7A



A66C9E



7F5A68



40393F



80006E



000000



# Previews

## White Background



This preview shows how the Hex color 5A7F5F looks on a white 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 × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

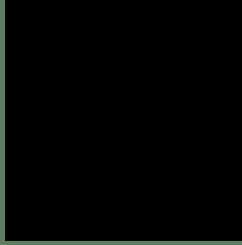
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 5A7F5F Background



This preview shows how black text looks on a background with the Hex color 5A7F5F.



This preview shows how white text looks on a background with the Hex color 5A7F5F.

# 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



**Original Color**  
5A7F5F

**Protanopia**  
7E765B

**Deuteranopia**  
887162



**Tritanopia**  
617A84

# Trichromacy



**Original Color**  
5A7F5F

**Protanomaly**  
71795C

**Deuteranomaly**  
777661

**Tritanomaly**  
5E7C77

# Monochromacy



**Original Color**  
5A7F5F

**Achromatopsia**  
707070

**Achromatomaly**  
68756A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5A7F5F 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 #5A7F5F looks like.

```
.text, #text, p{  
    color:#5A7F5F  
}
```

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 #5A7F5F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5A7F5F
}
```

## Border

The CSS property to change the border of an element to Hex 5A7F5F 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
#5A7F5F }
```

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

```
.border{ border-color:#5A7F5F }
```

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

Here you see how a box with a 4 pixel #5A7F5F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5A7F5F; -webkit-box-shadow:4px 4px  
4px 4px #5A7F5F; box-shadow:4px 4px 4px  
4px #5A7F5F }
```

# Background

The CSS property to change the background color of an element to Hex 5A7F5F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5A7F5F }
```

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

```
.background{ background-color:#5A7F5F }
```

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