

# Converting Colors

Hex(51A45F)

Have a look what the booklet for  
Hex(51A45F) contains.

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# Color

Hex(51A45F)

# Conversions

## Conversions Part 1

Format	Color
Hex	51A45F
RGB	81, 164, 95
RGB Percent	32%, 64%, 37%
CMY	0.6824, 0.3569, 0.6275
CMYK	0.51, 0.00, 0.42, 0.36
HSL	130°, 34%, 48%
HSV	130°, 51%, 64%
XYZ	18.7344, 29.1265, 15.4610
YIQ	131.3170, -27.3190, -39.0550

# Conversions

## Conversions Part 2

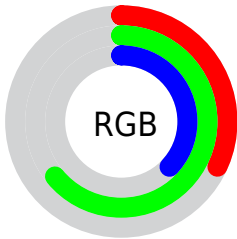
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	81, 152, 164
Decimal	5350495
CIE Lab	60.89, -40.45, 28.23
CIE LCh	61, 49.329, 145.087
Yxy	29.1265, 0.2959, 0.4600
Android (android.graphics.Color)	4283540575 (0xFF51A45F)
YUV	131.3170, -17.9043, -44.1280
Hunter-Lab	53.9689, -32.4826, 20.7928

# Details

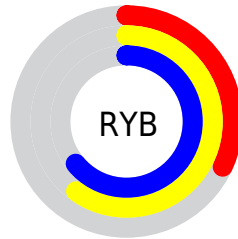
The Hex color **51A45F** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **A45196**, and the grayscale version is **848484**.

A 20% lighter version of the original color is **88DC92**, and **146F2F** is the 20% darker color. If you saturate the color by 10%, you get **41A451**, and if you desaturate by 10%, it is **61A46D**.

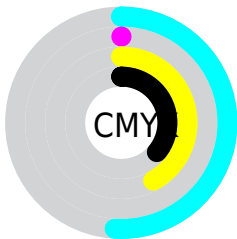
# Distribution



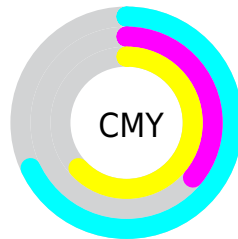
- Red (32%)
- Green (64%)
- Blue (37%)



- Red (32%)
- Yellow (60%)
- Blue (64%)



- Cyan (51%)
- Magenta (0%)
- Yellow (42%)
- Black (36%)



- Cyan (68%)
- Magenta (36%)
- Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 51A45F 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 51A45F by changing the saturation by 10% instead.



 51A45F

 51A45F

FFFFFF

 358947

 88DC92

 146F2F

 A3F8AD

 005618

 C0FFC9

 003E00

 DDFFE5

 002900

 FAFFFF

 000600

 000000

 51A45F

 51A45F

 41A451

 61A46D

 30A444

 72A47A

 20A436

 82A488

 0FA428

 93A496

 00A41C

 A3A4A3

 B3A4B1

 C4A4BE

 D4A4CC

 E5A4DA

# Harmonies

## Analogous

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



879B40



51A45F



00A88A

# Triad

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



51A45F



169AE9



E37070

# Complementary

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



51A45F



A45196

# 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.



DF6E9C



51A45F



8A8AE2

# Square

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



51A45F



00A4DA



C279C5



D27E4C

# Rectangle

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



51A45F



00A9A8



C279C5



E46E7F



# Sweetspot

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



51A45F



B6D6BB



96A451



586B5B



EBEBEB



6B6B6B



# Same Dimension

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



51A45F



54D66A



51A488



49524B



009119



001203



# Inverse Universe

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



A45196



D654C0



A4516D



524950



910079



12000F



# Previews

## White Background



This preview shows how the Hex color 51A45F looks on a white background.

## Color Contrast Check

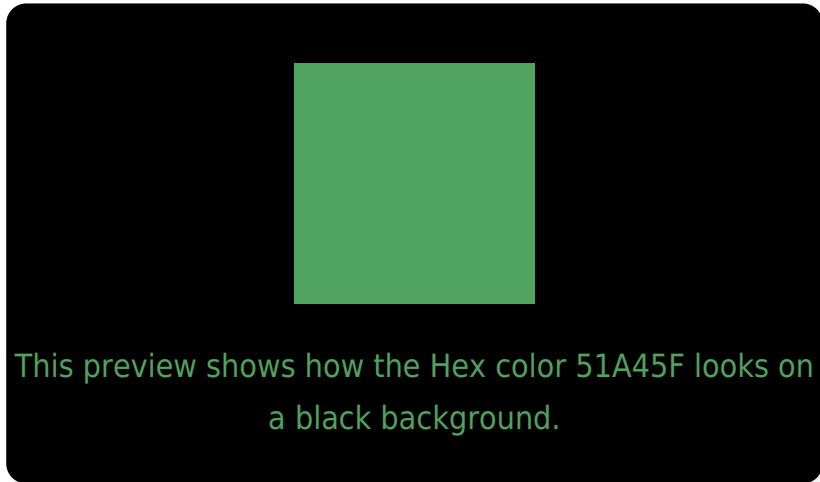
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

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



## Hex 51A45F Background



This preview shows how black text looks on a background with the Hex color 51A45F.

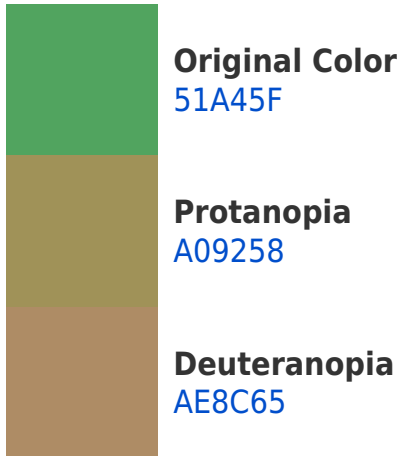


This preview shows how white text looks on a background with the Hex color 51A45F.

# 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](#).

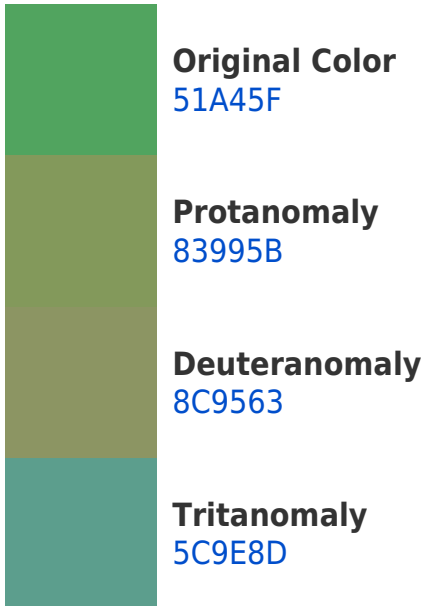
## Dichromacy



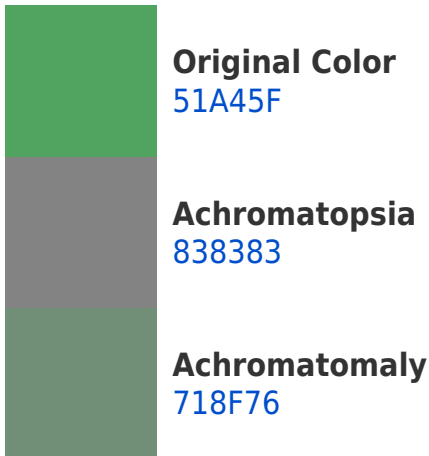


**Tritanopia**  
629BA8

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 51A45F 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 #51A45F looks like.

```
.text, #text, p{  
    color:#51A45F  
}
```

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 #51A45F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #51A45F
}
```

## Border

The CSS property to change the border of an element to Hex 51A45F 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
#51A45F }
```

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

```
.border{ border-color:#51A45F }
```

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

Here you see how a box with a 4 pixel #51A45F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #51A45F; -webkit-box-shadow:4px 4px  
4px 4px #51A45F; box-shadow:4px 4px 4px  
4px #51A45F }
```

# Background

The CSS property to change the background color of an element to Hex 51A45F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#51A45F }
```

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

```
.background{ background-color:#51A45F }
```

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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