

# Converting Colors

Hex(53AF50)

Have a look what the booklet for  
Hex(53AF50) contains.

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# Color

Hex(53AF50)

# Conversions

## Conversions Part 1

Format	Color
Hex	53AF50
RGB	83, 175, 80
RGB Percent	33%, 69%, 31%
CMY	0.6745, 0.3137, 0.6863
CMYK	0.53, 0.00, 0.54, 0.31
HSL	118°, 37%, 50%
HSV	118°, 54%, 69%
XYZ	20.3452, 33.0781, 12.9018
YIQ	136.6620, -24.3370, -49.0490

# Conversions

## Conversions Part 2

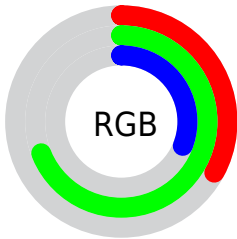
Format	Color
<a href="#">RYB</a>	<a href="#">80, 175, 172</a>
Decimal	<a href="#">5484368</a>
CIELab	<a href="#">64.22, -46.70, 40.08</a>
CIELCh	<a href="#">64, 61.541, 139.358</a>
Yxy	<a href="#">33.0781, 0.3067, 0.4987</a>
Android (android.graphics.Color)	<a href="#">4283674448 (0xFF53AF50)</a>
YUV	<a href="#">136.6620, -27.9344, -47.0616</a>
Hunter-Lab	<a href="#">57.5136, -37.5051, 26.9592</a>

# Details

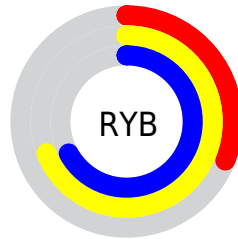
The Hex color **53AF50** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **AC50AF**, and the grayscale version is **898989**.

A 20% lighter version of the original color is **8BE784**, and **10791E** is the 20% darker color. If you saturate the color by 10%, you get **42AF3F**, and if you desaturate by 10%, it is **64AF62**.

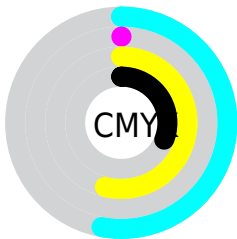
# Distribution



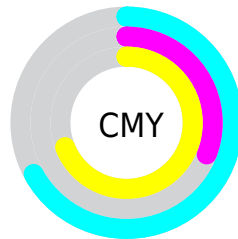
- Red (33%)
- Green (69%)
- Blue (31%)



- Red (31%)
- Yellow (69%)
- Blue (67%)



- Cyan (53%)
- Magenta (0%)
- Yellow (54%)
- Black (31%)



- Cyan (67%)
- Magenta (31%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 53AF50 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 53AF50 by changing the saturation by 10% instead.





53AF50



53AF50

FFFFFF



369437



8BE784



10791E



A8FF9E



006000



C4FFBA



004700



E2FFD6



003000



FFFFF3



001700



000000



53AF50



53AF50



42AF3F



64AF62

 31AF2D

 75AF73

 20AF1C

 86AF85

 0FAF0A

 97AF96

 06AF00

 A8AFA8

 B9AFB9

 CAAFCB

 DBAFDC

 ECAFEE

# Harmonies

## Analogous

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



96A428



53AF50



00B586

# Triad

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



53AF50



00A8FF



FF6A7A

# Complementary

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



53AF50



AC50AF

# 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.



F56AB2



53AF50



7895FF

# Square

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



53AF50



00B2EE



CB7EE4



EE7C49

# Rectangle

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



53AF50



00B6AC



CB7EE4



FF688D



# Sweetspot

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



53AF50



C0E3BF



AFAC50



5E735D



F2F2F2



737373



# Same Dimension

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



53AF50



54E34F



50AF7C



4E574E



059600



011700



# Inverse Universe

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



AC50AF



DE4FE3



AF5083



564E57



920096



160017



# Previews

## White Background



This preview shows how the Hex color 53AF50 looks on a white background.

## Color Contrast Check

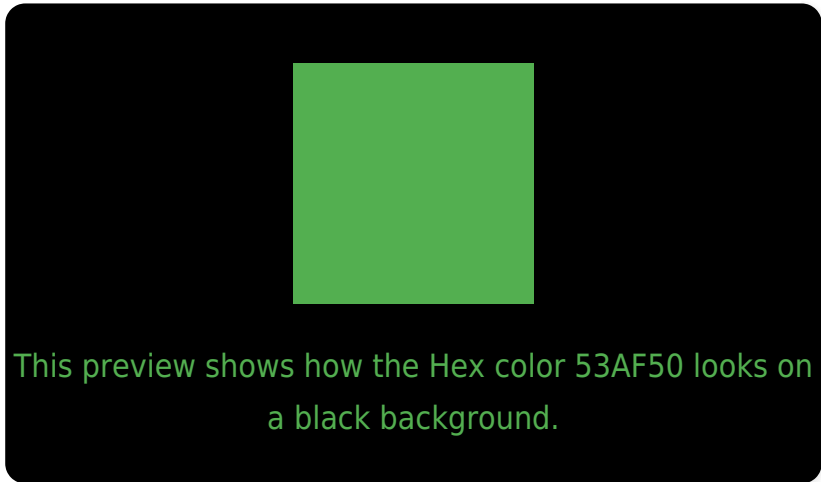
Large Text (above 18pt) WCAG AA × Fail

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 53AF50 Background



This preview shows how black text looks on a background with the Hex color 53AF50.



This preview shows how white text looks on a background with the Hex color 53AF50.

# 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**  
53AF50

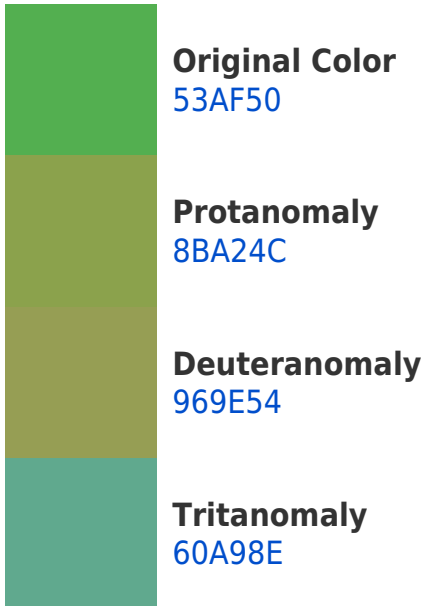
**Protanopia**  
AB9B49

**Deuteranopia**  
BD9457

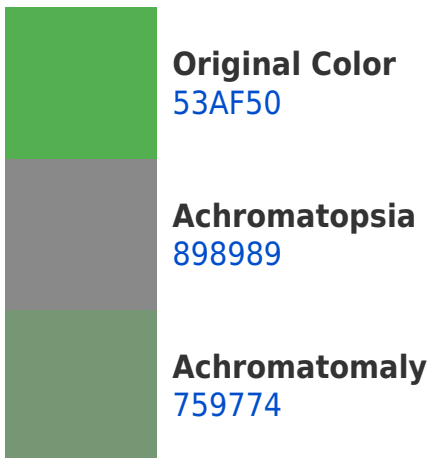


**Tritanopia**  
68A5B2

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 53AF50 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 #53AF50 looks like.

```
.text, #text, p{  
    color:#53AF50  
}
```

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 #53AF50 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #53AF50
}
```

## Border

The CSS property to change the border of an element to Hex 53AF50 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
#53AF50 }
```

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

```
.border{ border-color:#53AF50 }
```

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

Here you see how a box with a 4 pixel #53AF50 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #53AF50; -webkit-box-shadow:4px 4px  
4px 4px #53AF50; box-shadow:4px 4px 4px  
4px #53AF50 }
```

# Background

The CSS property to change the background color of an element to Hex 53AF50 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#53AF50 }
```

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

```
.background{ background-color:#53AF50 }
```

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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