

# Converting Colors

Hex(51A949)

Have a look what the booklet for  
Hex(51A949) contains.

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**Color**

**Hex(51A949)**

# Conversions

## Conversions Part 1

Format	Color
Hex	51A949
RGB	81, 169, 73
RGB Percent	32%, 66%, 29%
CMY	0.6824, 0.3373, 0.7137
CMYK	0.52, 0.00, 0.57, 0.34
HSL	115°, 40%, 47%
HSV	115°, 57%, 66%
XYZ	18.7839, 30.6063, 11.2209
YIQ	131.7440, -21.6320, -48.5120

# Conversions

## Conversions Part 2

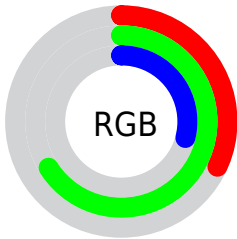
<b>Format</b>	<b>Color</b>
<b>RYB</b>	73, 169, 161
Decimal	5351753
CIELab	62.17, -45.72, 41.01
CIELCh	62, 61.418, 138.102
Yxy	30.6063, 0.3099, 0.5050
Android (android.graphics.Color)	4283541833 (0xFF51A949)
YUV	131.7440, -28.9608, -44.5025
Hunter-Lab	55.3230, -36.2088, 26.7005

# Details

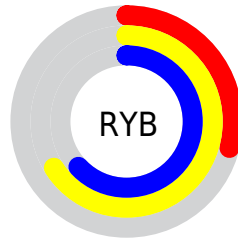
The Hex color **51A949** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **A149A9**, and the grayscale version is **848484**.

A 20% lighter version of the original color is **89E17C**, and **0E7416** is the 20% darker color. If you saturate the color by 10%, you get **42A938**, and if you desaturate by 10%, it is **60A95A**.

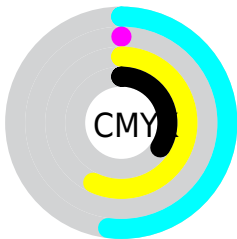
# Distribution



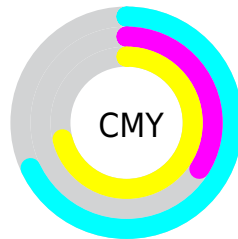
- Red (32%)
- Green (66%)
- Blue (29%)



- Red (29%)
- Yellow (66%)
- Blue (63%)



- Cyan (52%)
- Magenta (0%)
- Yellow (57%)
- Black (34%)



- Cyan (68%)
- Magenta (34%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 51A949 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 51A949 by changing the saturation by 10% instead.



 51A949

 51A949

FFFFFF

 348E30

 89E17C

 0E7416

 A5FE97

 005B00

 C2FFB2

 004200

 DFFFCE

 002C00

 FDFFE8

 000E00

 000000

 51A949

 51A949

 42A938

 60A95A

 32A927

 70A96B

 23A916

 7FA97C

 13A905

 8FA98D

 0EA900

 9EA99D

 AEA9AE

 BDA9BF

 CDA9D0

 DCA9E1

# Harmonies

## Analogous

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



939E21



51A949



00AF7E

# Triad

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



51A949



00A3FF



F96478

# Complementary

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



51A949



A149A9

# 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.



EE65AE



51A949



6D91FE

# Square

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



51A949



00ADE6



C279E0



E97646

# Rectangle

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



51A949



00B0A4



C279E0



F9628A



# Sweetspot

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



51A949



B9DBB6



A9A149



5A6E58



EDEDED



6E6E6E



# Same Dimension

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



51A949



53DB46



49A971



4C544C



0C9400



021400



# Inverse Universe

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



A149A9



CF46DB



A94981



534C54



880094



130014



# Previews

## White Background



This preview shows how the Hex color 51A949 looks on a white background.

## Color Contrast Check

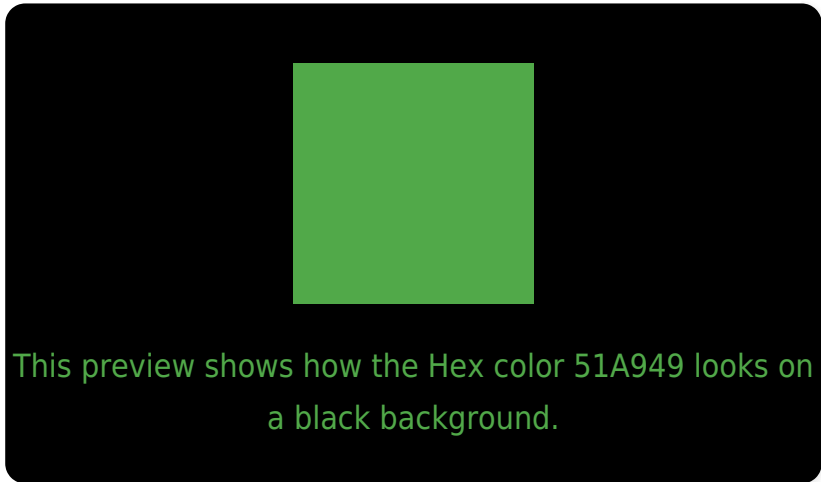
Large Text (above 18pt) WCAG AA × Fail

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 51A949 Background



This preview shows how black text looks on a background with the Hex color 51A949.

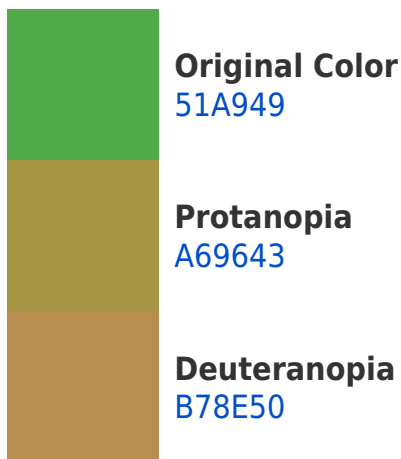


This preview shows how white text looks on a background with the Hex color 51A949.

# Color Blindness Simulation

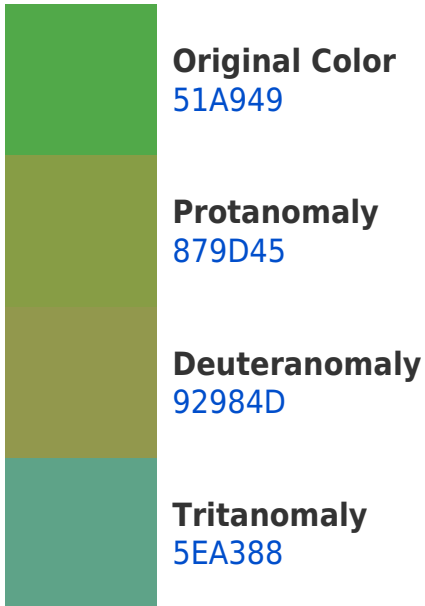
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

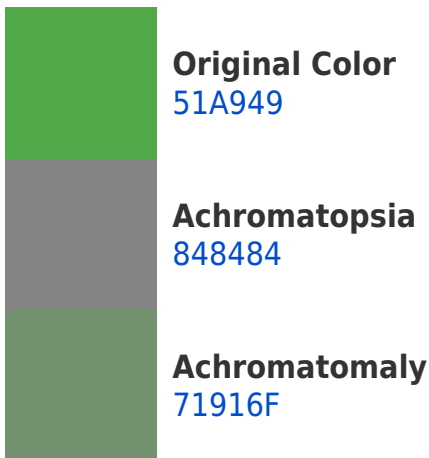




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 51A949 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 #51A949 looks like.

```
.text, #text, p{  
    color:#51A949  
}
```

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 #51A949 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #51A949
}
```

## Border

The CSS property to change the border of an element to Hex 51A949 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
#51A949 }
```

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

```
.border{ border-color:#51A949 }
```

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

Here you see how a box with a 4 pixel #51A949 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #51A949; -webkit-box-shadow:4px 4px  
4px 4px #51A949; box-shadow:4px 4px 4px  
4px #51A949 }
```

# Background

The CSS property to change the background color of an element to Hex 51A949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#51A949 }
```

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

```
.background{ background-color:#51A949 }
```

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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