

# Converting Colors

Hex(55AC46)

Have a look what the booklet for  
Hex(55AC46) contains.

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**Color**

**Hex(55AC46)**

# Conversions

## Conversions Part 1

Format	Color
Hex	55AC46
RGB	85, 172, 70
RGB Percent	33%, 67%, 27%
CMY	0.6667, 0.3255, 0.7255
CMYK	0.51, 0.00, 0.59, 0.33
HSL	111°, 42%, 47%
HSV	111°, 59%, 67%
XYZ	19.6043, 31.8785, 10.9143
YIQ	134.3590, -19.1100, -50.1660

# Conversions

## Conversions Part 2

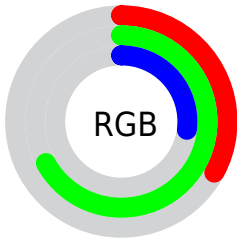
<b>Format</b>	<b>Color</b>
<b>RYB</b>	70, 172, 157
Decimal	5614662
CIELab	63.24, -46.14, 43.72
CIELCh	63, 63.564, 136.544
Yxy	31.8785, 0.3142, 0.5109
Android (android.graphics.Color)	4283804742 (0xFF55AC46)
YUV	134.3590, -31.7290, -43.2878
Hunter-Lab	56.4611, -36.8284, 28.0616

# Details

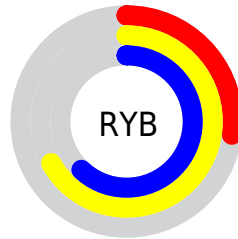
The Hex color **55AC46** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **9D46AC**, and the grayscale version is **878787**.

A 20% lighter version of the original color is **8DE47A**, and **157711** is the 20% darker color. If you saturate the color by 10%, you get **46AC35**, and if you desaturate by 10%, it is **64AC57**.

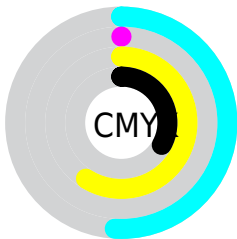
# Distribution



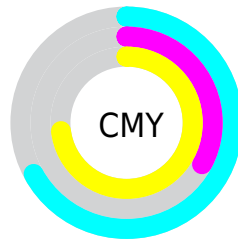
- Red (33%)
- Green (67%)
- Blue (27%)



- Red (27%)
- Yellow (67%)
- Blue (62%)



- Cyan (51%)
- Magenta (0%)
- Yellow (59%)
- Black (33%)



- Cyan (67%)
- Magenta (33%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 55AC46 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 55AC46 by changing the saturation by 10% instead.



 55AC46

 55AC46

FFFFFF

 38912D

 8DE47A

 157711

 A9FF94

 005D00

 C6FFB0

 004500

 E3FFCC

 002E00

 FFFFEE

 001300

 000000

 55AC46

 55AC46

 46AC35

 64AC57

 38AC24

 72AC68

 29AC12

 81AC7A

 1AAC01

 90AC8B

 19AC00

 9EAC9C

 ADACAD

 BCACBE

 CAACD0

 D9ACE1

# Harmonies

## Analogous

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



98A01C



55AC46



00B27D

# Triad

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



55AC46



00A7FF



FF647C

# Complementary

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



55AC46



9D46AC

# 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.



F266B5



55AC46



6695FF

# Square

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



55AC46



00B1EA



C37CE8



F07649

# Rectangle

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



55AC46



00B4A4



C37CE8



FF628F



# Sweetspot

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



55AC46



BEE0B8



AC9D46



5B7058



F0F0F0



707070



# Same Dimension

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



55AC46



59E041



46AC6A



4F574E



169600



031700



# Inverse Universe

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



9D46AC



C941E0



AC4688



554E57



800096



140017



# Previews

## White Background



This preview shows how the Hex color 55AC46 looks on a white background.

## Color Contrast Check

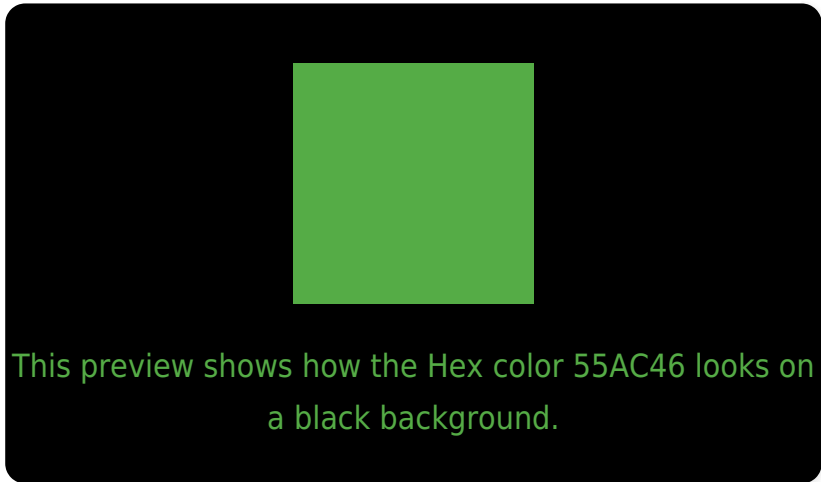
Large Text (above 18pt) WCAG AA × Fail

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

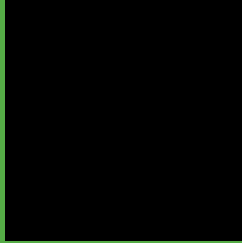
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 55AC46 Background



This preview shows how black text looks on a background with the Hex color 55AC46.

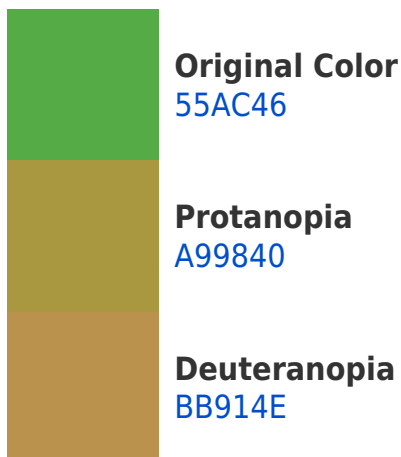


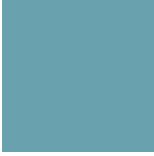
This preview shows how white text looks on a background with the Hex color 55AC46.

# 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](#).

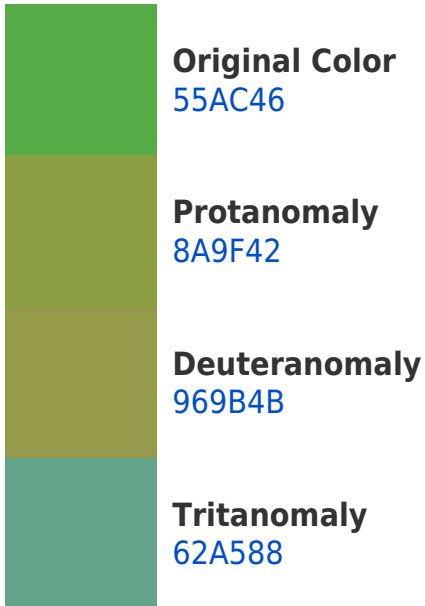
## Dichromacy



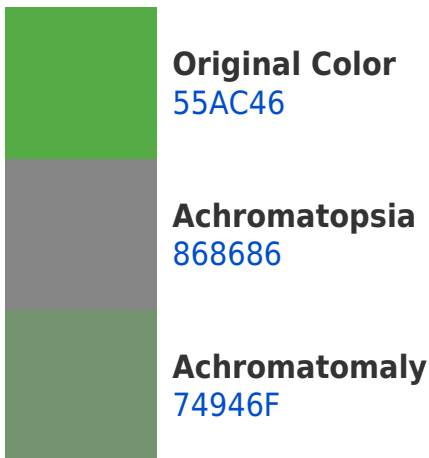


**Tritanopia**  
6AA1AE

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 55AC46 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 #55AC46 looks like.

```
.text, #text, p{  
    color:#55AC46  
}
```

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 #55AC46 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #55AC46
}
```

## Border

The CSS property to change the border of an element to Hex 55AC46 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
#55AC46 }
```

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

```
.border{ border-color:#55AC46 }
```

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

Here you see how a box with a 4 pixel #55AC46 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #55AC46; -webkit-box-shadow:4px 4px  
4px 4px #55AC46; box-shadow:4px 4px 4px  
4px #55AC46 }
```

# Background

The CSS property to change the background color of an element to Hex 55AC46 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#55AC46 }
```

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

```
.background{ background-color:#55AC46 }
```

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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