

# Converting Colors

Hex(55CE37)

Have a look what the booklet for  
Hex(55CE37) contains.

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**Color**

**Hex(55CE37)**

# Conversions

## Conversions Part 1

Format	Color
Hex	55CE37
RGB	85, 206, 55
RGB Percent	33%, 81%, 22%
CMY	0.6667, 0.1922, 0.7843
CMYK	0.59, 0.00, 0.73, 0.19
HSL	108°, 61%, 51%
HSV	108°, 73%, 81%
XYZ	26.5072, 46.3497, 11.1638
YIQ	152.6070, -23.6450, -72.6130

# Conversions

## Conversions Part 2

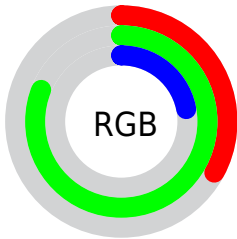
Format	Color
<a href="#">RYB</a>	<a href="#">55, 206, 176</a>
Decimal	<a href="#">5623351</a>
CIELab	<a href="#">73.77, -60.28, 61.17</a>
CIELCh	<a href="#">74, 85.878, 134.578</a>
Yxy	<a href="#">46.3497, 0.3155, 0.5516</a>
Android (android.graphics.Color)	<a href="#">4283813431 (0xFF55CE37)</a>
YUV	<a href="#">152.6070, -48.1203, -59.2913</a>
Hunter-Lab	<a href="#">68.0806, -49.6421, 37.9342</a>

# Details

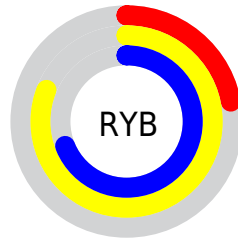
The Hex color **55CE37** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **B037CE**, and the grayscale version is **999999**.

A 20% lighter version of the original color is **92FF6F**, and **009600** is the 20% darker color. If you saturate the color by 10%, you get **44CE22**, and if you desaturate by 10%, it is **66CE4C**.

# Distribution



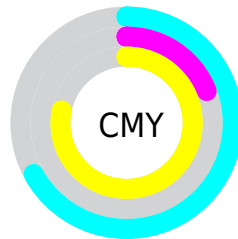
- Red (33%)
- Green (81%)
- Blue (22%)



- Red (22%)
- Yellow (81%)
- Blue (69%)



- Cyan (59%)
- Magenta (0%)
- Yellow (73%)
- Black (19%)



- Cyan (67%)
- Magenta (19%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 55CE37 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 55CE37 by changing the saturation by 10% instead.



 55CE37

 55CE37

FFFFFF

 32B215

 92FF6F

 009600

 B0FF8B

 007C00

 CEFFA7

 006200

 EDFFC3

 004800

 FFFFEO

 003200

FFFFFFE

 001600

 000000

 55CE37

 55CE37

 44CE22

 66CE4C

 34CE0E

 76CE60

 29CE00

 87CE75

 97CE89

 A8CE9E

 B8CEB3

 C9CEC7

 D9CEDC

 EACEF0

# Harmonies

## Analogous

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



B5BE00



55CE37



00D688

# Triad

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



55CE37



00CAFF



FF6092

# Complementary

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



55CE37



B037CE

# 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.



FF68E1



55CE37



42B2FF

# Square

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



55CE37



00D6FF



E88DFF



FF7F48

# Rectangle

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



55CE37



00D9C0



E88DFF



FF5DAD

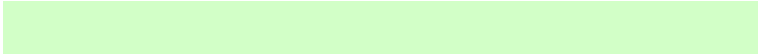


# Sweetspot

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



55CE37



D2FFC7



CEB037



65805E



000000



808080



# Same Dimension

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



55CE37



4BFF1F



37CE64



5E665C



21A600



082600



# Inverse Universe

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



B037CE



D21FFF



CE37A1



645C66



8500A6



1F0026



# Previews

## White Background



This preview shows how the Hex color 55CE37 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



This preview shows how the Hex color 55CE37 looks on a 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 55CE37 Background



This preview shows how black text looks on a background with the Hex color 55CE37.



This preview shows how white text looks on a background with the Hex color 55CE37.

# 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](#).

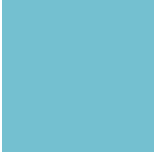
## Dichromacy



**Original Color**  
55CE37

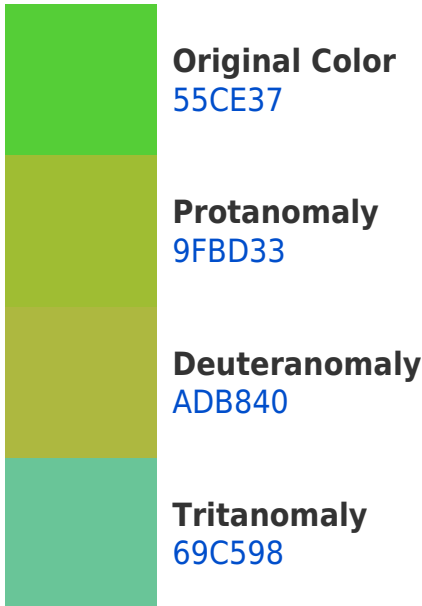
**Protanopia**  
CAB430

**Deuteranopia**  
E0AB45

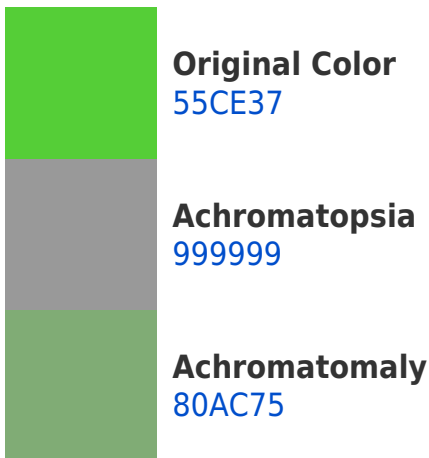


**Tritanopia**  
74C0D0

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 55CE37 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 #55CE37 looks like.

```
.text, #text, p{  
    color:#55CE37  
}
```

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 #55CE37 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #55CE37
}
```

## Border

The CSS property to change the border of an element to Hex 55CE37 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
#55CE37 }
```

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

```
.border{ border-color:#55CE37 }
```

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

Here you see how a box with a 4 pixel #55CE37 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #55CE37; -webkit-box-shadow:4px 4px  
4px 4px #55CE37; box-shadow:4px 4px 4px  
4px #55CE37 }
```

# Background

The CSS property to change the background color of an element to Hex 55CE37 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#55CE37 }
```

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

```
.background{ background-color:#55CE37 }
```

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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