

# Converting Colors

Hex(35CA4A)

Have a look what the booklet for  
Hex(35CA4A) contains.

<b>Hex(35CA4A)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(35CA4A)

# Conversions

## Conversions Part 1

Format	Color
Hex	35CA4A
RGB	53, 202, 74
RGB Percent	21%, 79%, 29%
CMY	0.7922, 0.2078, 0.7098
CMYK	0.74, 0.00, 0.63, 0.21
HSL	128°, 58%, 50%
HSV	128°, 74%, 79%
XYZ	23.8248, 43.4924, 13.6177
YIQ	142.8570, -47.7160, -71.3960

# Conversions

## Conversions Part 2

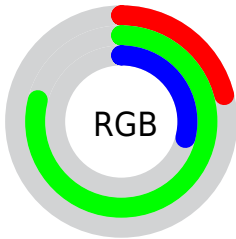
<b>Format</b>	<b>Color</b>
<b>RYB</b>	53, 184, 202
Decimal	3525194
CIELab	71.89, -63.57, 51.51
CIELCh	72, 81.820, 140.980
Yxy	43.4924, 0.2944, 0.5374
Android (android.graphics.Color)	4281715274 (0xFF35CA4A)
YUV	142.8570, -33.9465, -78.8046
Hunter-Lab	65.9487, -50.9251, 33.9213

# Details

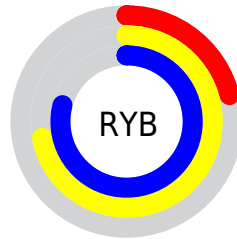
The Hex color **35CA4A** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **CA35B5**, and the grayscale version is **8F8F8F**.

A 20% lighter version of the original color is **79FF7F**, and **00920F** is the 20% darker color. If you saturate the color by 10%, you get **21CA39**, and if you desaturate by 10%, it is **49CA5B**.

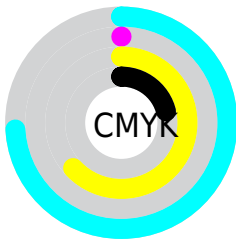
# Distribution



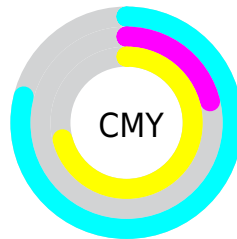
- Red (21%)
- Green (79%)
- Blue (29%)



- Red (21%)
- Yellow (72%)
- Blue (79%)



- Cyan (74%)
- Magenta (0%)
- Yellow (63%)
- Black (21%)



- Cyan (79%)
- Magenta (21%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 35CA4A 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 35CA4A by changing the saturation by 10% instead.



 35CA4A

 35CA4A

FFFFFF

 00AE2F

 79FF7F

 00920F

 98FF9B

 007800

 B6FFB6

 005D00

 D5FFD3

 004400

 F3FFF0

 002D00

 000D00

 000000

 35CA4A

 35CA4A

■ 21CA39

■ 49CA5B

■ 0DCA27

■ 5DCA6D

■ 00CA1C

■ 72CA7E

■ 86CA8F

■ 9ACAA1

■ AECAB2

■ C2CAC3

■ D7CAD5

■ EBCAE6

# Harmonies

## Analogous

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



A1BC00



35CA4A



00D196

# Triad

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



35CA4A



00C0FF



FF657F

# Complementary

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



35CA4A



CA35B5

# 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.



FF63CA



35CA4A



7CA6FF

# Square

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



35CA4A



00CDFE



F383FF



FF843A

# Rectangle

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



35CA4A



00D2CB



F383FF



FF6098

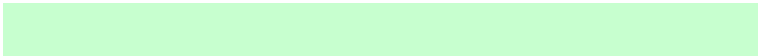


# Sweetspot

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



35CA4A



C7FFCF



B6CA35



5E8063



000000



808080



# Same Dimension

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



35CA4A



1CFF3C



35CA93



5C665D



00A617



002605



# Inverse Universe

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



CA35B5



FF1CDF



CA356C



665C65



A6008E

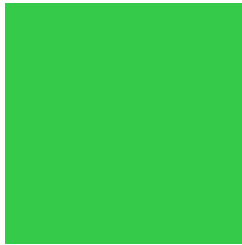


260021



# Previews

## White Background



This preview shows how the Hex color 35CA4A looks on a white background.

## Color Contrast Check

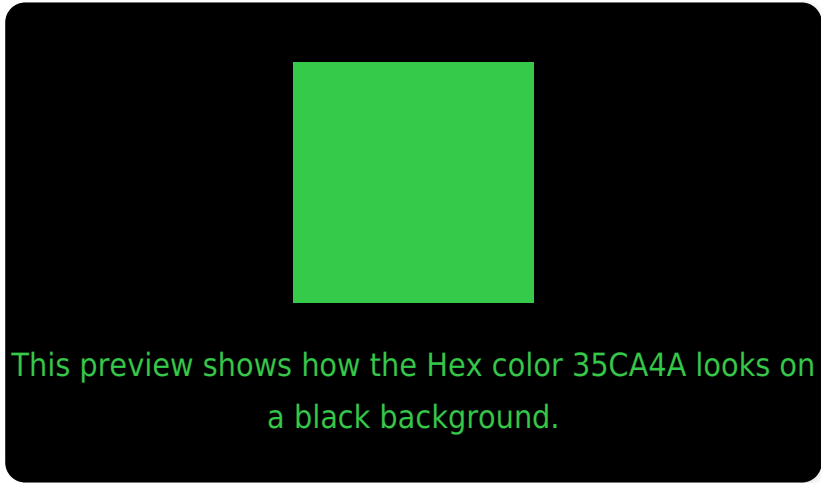
Large Text (above 18pt) WCAG AA × Fail

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

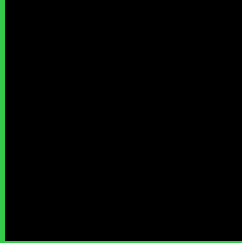
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 35CA4A Background



This preview shows how black text looks on a background with the Hex color 35CA4A.

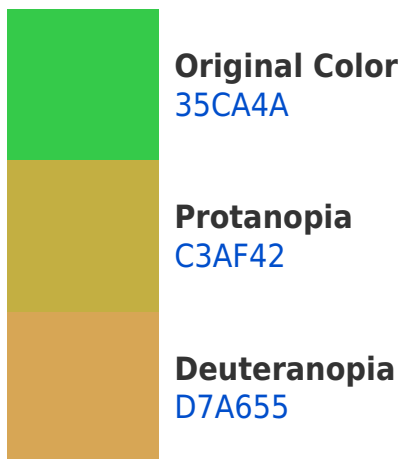


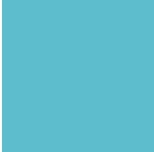
This preview shows how white text looks on a background with the Hex color 35CA4A.

# 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



**Original Color**

35CA4A



**Protanomaly**

8FB945



**Deuteranomaly**

9CB351



**Tritanomaly**

4FC29D

# Monochromacy



**Original Color**

35CA4A



**Achromatopsia**

8F8F8F



**Achromatomaly**

6EA476

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 35CA4A 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 #35CA4A looks like.

```
.text, #text, p{  
    color:#35CA4A  
}
```

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 #35CA4A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #35CA4A
}
```

## Border

The CSS property to change the border of an element to Hex 35CA4A 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
#35CA4A }
```

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

```
.border{ border-color:#35CA4A }
```

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

Here you see how a box with a 4 pixel #35CA4A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #35CA4A; -webkit-box-shadow:4px 4px  
4px 4px #35CA4A; box-shadow:4px 4px 4px  
4px #35CA4A }
```

# Background

The CSS property to change the background color of an element to Hex 35CA4A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#35CA4A }
```

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

```
.background{ background-color:#35CA4A }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor