

# Converting Colors

Hex(33ED3C)

Have a look what the booklet for  
Hex(33ED3C) contains.

<b>Hex(33ED3C)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(33ED3C)

# Conversions

## Conversions Part 1

Format	Color
Hex	33ED3C
RGB	51, 237, 60
RGB Percent	20%, 93%, 24%
CMY	0.8000, 0.0706, 0.7647
CMYK	0.78, 0.00, 0.75, 0.07
HSL	123°, 84%, 56%
HSV	123°, 78%, 93%
XYZ	32.4650, 61.5984, 14.4536
YIQ	161.2080, -54.0390, -94.4790

# Conversions

## Conversions Part 2

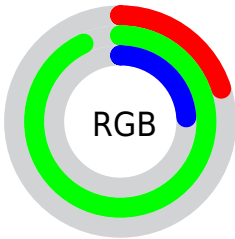
Format	Color
<a href="#">RYB</a>	<a href="#">51, 228, 237</a>
Decimal	<a href="#">3403068</a>
CIELab	<a href="#">82.70, -75.92, 68.15</a>
CIELCh	<a href="#">83, 102.016, 138.087</a>
Yxy	<a href="#">61.5984, 0.2992, 0.5676</a>
Android (android.graphics.Color)	<a href="#">4281593148 (0xFF33ED3C)</a>
YUV	<a href="#">161.2080, -49.8955, -96.6524</a>
Hunter-Lab	<a href="#">78.4847, -63.5120, 44.0205</a>

# Details

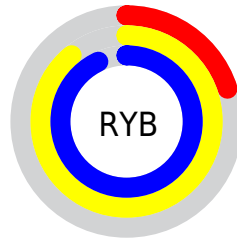
The Hex color **33ED3C** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **ED33E4**, and the grayscale version is **A2A2A2**.

A 20% lighter version of the original color is **81FF76**, and **00B300** is the 20% darker color. If you saturate the color by 10%, you get **1BED25**, and if you desaturate by 10%, it is **4BED53**.

# Distribution



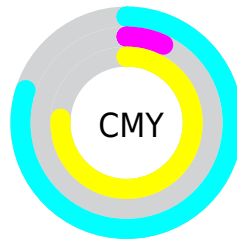
- Red (20%)
- Green (93%)
- Blue (24%)



- Red (20%)
- Yellow (89%)
- Blue (93%)



- Cyan (78%)
- Magenta (0%)
- Yellow (75%)
- Black (7%)



- Cyan (80%)
- Magenta (7%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33ED3C 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 33ED3C by changing the saturation by 10% instead.



 33ED3C

FFFFFF

 81FF76

 A2FF93

 C1FFAF

 E1FFCC

 FFFFEA

 33ED3C

 00D017

 00B300

 009700

 007C00

 006200

 004800

 002F00

 001100

 000000

 33ED3C

 33ED3C

 1BED25

 4BED53

 04ED0F

 62ED69

 00ED0B

 7AED80

 92ED96

 A9EDAD

 C1EDC3

 D9EDDA

 F1EDF0

 FFEDFF

# Harmonies

## Analogous

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



C1DB00



33ED3C



00F6A3

# Triad

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



33ED3C



00E4FF



FF6199

# Complementary

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



33ED3C



ED33E4

# 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.



FF64F8



33ED3C



5EC5FF

# Square

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



33ED3C



00F4FF



FF96FF



FF8F3C

# Rectangle

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



33ED3C



00F8E6



FF96FF



FF5AB8

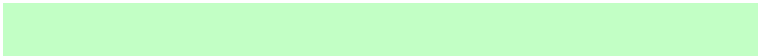


# Sweetspot

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



33ED3C



C2FFC5



E7ED33



5B805C



000000



808080



# Same Dimension

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



33ED3C



0FFF1B



33ED96



6A756A



00B509



003603



# Inverse Universe

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



ED33E4



FF0FF3



ED338A



756A75



B500AC

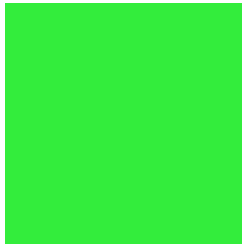


360033



# Previews

## White Background



This preview shows how the Hex color 33ED3C looks on a white background.

## Color Contrast Check

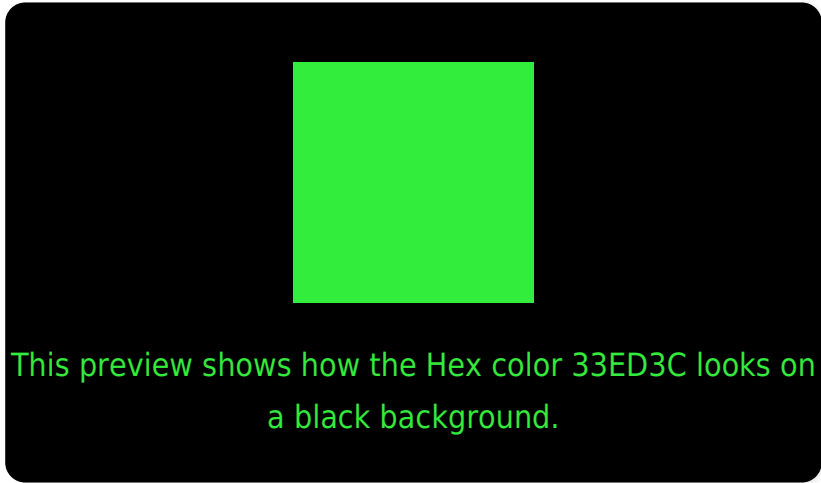
Large Text (above 18pt) WCAG AA × Fail

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 33ED3C Background



This preview shows how black text looks on a background with the Hex color 33ED3C.

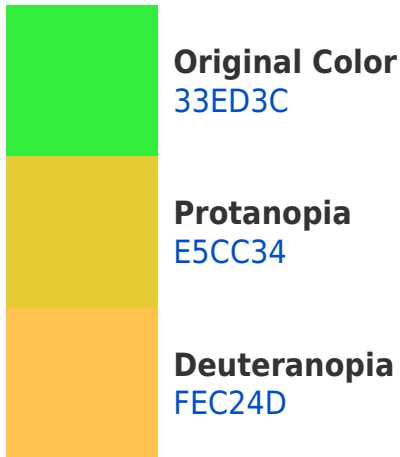


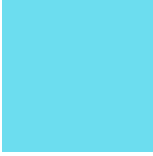
This preview shows how white text looks on a background with the Hex color 33ED3C.

# 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**  
6CDDEF

# Trichromacy



**Original Color**  
33ED3C



**Protanomaly**  
A4D837



**Deuteranomaly**  
B4D247



**Tritanomaly**  
57E3AE

# Monochromacy



**Original Color**  
33ED3C



**Achromatopsia**  
A1A1A1



**Achromatomaly**  
79BD7C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33ED3C 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 #33ED3C looks like.

```
.text, #text, p{  
    color:#33ED3C  
}
```

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 #33ED3C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33ED3C
}
```

## Border

The CSS property to change the border of an element to Hex 33ED3C 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
#33ED3C }
```

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

```
.border{ border-color:#33ED3C }
```

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

Here you see how a box with a 4 pixel #33ED3C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33ED3C; -webkit-box-shadow:4px 4px  
4px 4px #33ED3C; box-shadow:4px 4px 4px  
4px #33ED3C }
```

# Background

The CSS property to change the background color of an element to Hex 33ED3C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33ED3C }
```

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

```
.background{ background-color:#33ED3C }
```

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