

Converting Colors

Hex(35FF00)

Have a look what the booklet for
Hex(35FF00) contains.

Hex(35FF00)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

Hex(35FF00)

Conversions

Conversions Part 1

Format	Color
Hex	35FF00
RGB	53, 255, 0
RGB Percent	21%, 100%, 0%
CMY	0.7922, 0.0000, 1.0000
CMYK	0.79, 0.00, 1.00, 0.00
HSL	108°, 100%, 50%
HSV	108°, 100%, 100%
XYZ	37.2282, 72.2769, 11.9887
YIQ	165.5320, -38.5370, -122.1290

Conversions

Conversions Part 2

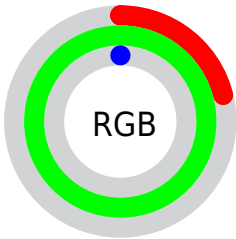
Format	Color
RYB	0, 255, 202
Decimal	3538688
CIELab	88.10, -82.88, 83.63
CIELCh	88, 117.741, 134.744
Yxy	72.2769, 0.3064, 0.5949
Android (android.graphics.Color)	4281728768 (0xFF35FF00)
YUV	165.5320, -81.6073, -98.6906
Hunter-Lab	85.0158, -70.6130, 51.1501

Details

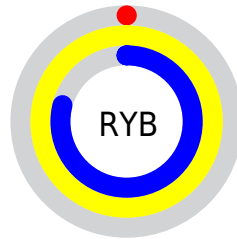
The Hex color **35FF00** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **CA00FF**, and the grayscale version is **A6A6A6**.

A 20% lighter version of the original color is **87FF5C**, and **00C400** is the 20% darker color. If you saturate the color by 10%, you get **35FF00**, and if you desaturate by 10%, it is **49FF19**.

Distribution



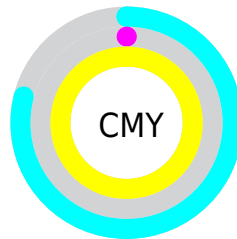
- Red (21%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (79%)



- Cyan (79%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)



- Cyan (79%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Hex color 35FF00 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 35FF00 by changing the saturation by 10% instead.

 35FF00

 35FF00

FFFFFF

 00E100

 87FF5C

 00C400

 A9FF7B

 00A800

 CAFF99

 008C00

 EBFFB7

 007100

 FFFFD5

 005600

 FFFFF3

 003E00

 002300

 000000

 35FF00

 49FF19

 5DFF33

 72FF4D

 86FF66

 9AFF80

 AEFF99

 C2FFB3

 D7FFCC

 EBFFE6

Harmonies

Analogous

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



D7E900



35FF00



00FF9E

Triad

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



35FF00



00FBFF



FF47AB

Complementary

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



35FF00



CA00FF

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.



FF58FF



35FF00



00D9FF

Square

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



35FF00



00FFFF



FFA0FF



FF893D

Rectangle

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



35FF00



00FFEC



FFA0FF



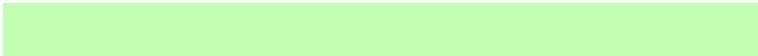
FF3DD0

Sweetspot

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



35FF00



C2FFB3



FFC800



5B8052



000000



808080

Same Dimension

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



35FF00



00FF48



758073



28BF00



0D4000

Inverse Universe

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



CA00FF



FF00B7



7D7380



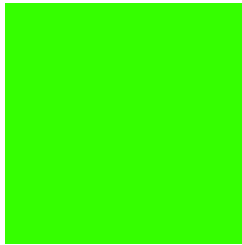
9700BF



320040

Previews

White Background



This preview shows how the Hex color 35FF00 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 35FF00 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 35FF00 Background



This preview shows how black text looks on a background with the Hex color 35FF00.



This preview shows how white text looks on a background with the Hex color 35FF00.

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](#).

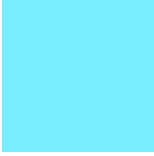
Dichromacy



Original Color
35FF00

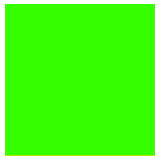
Protanopia
F7DB00

Deuteranopia
FFD493



Tritanopia
7AECFF

Trichromacy



Original Color
35FF00



Protanomaly
B0E800

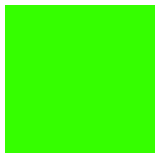


Deuteranomaly
B6E45E

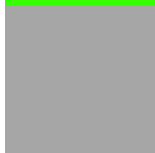


Tritanomaly
61F3A2

Monochromacy



Original Color
35FF00



Achromatopsia
A6A6A6



Achromatomaly
7DC66A

CSS Examples

Text

The CSS property to change the color of the text to Hex 35FF00 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 #35FF00 looks like.

```
.text, #text, p{  
    color:#35FF00  
}
```

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 #35FF00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #35FF00
}
```

Border

The CSS property to change the border of an element to Hex 35FF00 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
#35FF00 }
```

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

```
.border{ border-color:#35FF00 }
```

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

Here you see how a box with a 4 pixel #35FF00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #35FF00; -webkit-box-shadow:4px 4px  
4px 4px #35FF00; box-shadow:4px 4px 4px  
4px #35FF00 }
```

Background

The CSS property to change the background color of an element to Hex 35FF00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#35FF00 }
```

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

```
.background{ background-color:#35FF00 }
```

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