

# Converting Colors

Hex(34FF13)

Have a look what the booklet for  
Hex(34FF13) contains.

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**Color**

**Hex(34FF13)**

# Conversions

## Conversions Part 1

Format	Color
Hex	34FF13
RGB	52, 255, 19
RGB Percent	20%, 100%, 7%
CMY	0.7961, 0.0000, 0.9255
CMYK	0.80, 0.00, 0.93, 0.00
HSL	112°, 100%, 54%
HSV	112°, 93%, 100%
XYZ	37.2937, 72.2971, 12.6053
YIQ	167.3990, -45.2320, -116.4320

# Conversions

## Conversions Part 2

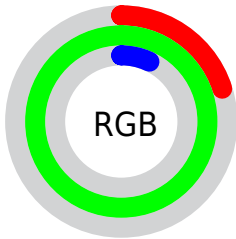
<b>Format</b>	<b>Color</b>
<b>RYB</b>	19, 255, 222
Decimal	3473171
CIELab	88.11, -82.71, 82.03
CIELCh	88, 116.488, 135.237
Yxy	72.2971, 0.3052, 0.5916
Android (android.graphics.Color)	4281663251 (0xFF34FF13)
YUV	167.3990, -73.1607, -101.2049
Hunter-Lab	85.0277, -70.5072, 50.7297

# Details

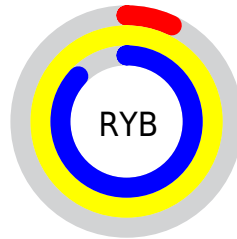
The Hex color **34FF13** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark washed green. A complement of this color would be **DE13FF**, and the grayscale version is **A8A8A8**.

A 20% lighter version of the original color is **87FF61**, and **00C400** is the 20% darker color. If you saturate the color by 10%, you get **24FF00**, and if you desaturate by 10%, it is **4AFF2D**.

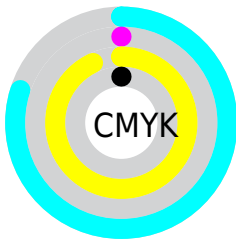
# Distribution



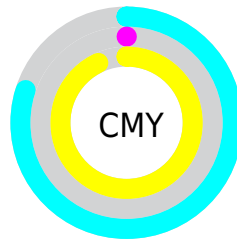
- Red (20%)
- Green (100%)
- Blue (7%)



- Red (7%)
- Yellow (100%)
- Blue (87%)



- Cyan (80%)
- Magenta (0%)
- Yellow (93%)
- Black (0%)



- Cyan (80%)
- Magenta (0%)
- Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 34FF13 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 34FF13 by changing the saturation by 10% instead.



 34FF13

 34FF13

FFFFFF

 00E100


 87FF61

 00C400

 A9FF7F

 00A800

 C9FF9D

 008C00

 EAFFBB

 007100

 FFFFD9

 005600

 FFFFF7

 003E00

 002300

 000000

 34FF13

 34FF13

 24FF00

 4AFF2D

 60FF46

 76FF60

 8CFF79

 A2FF93

 B8FFAC

 CEFFC6

 E3FFDF

 F9FFF9

# Harmonies

## Analogous

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



D6EA00



34FF13



00FFA0

# Triad

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



34FF13



00FAFF



FF4CAA

# Complementary

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



34FF13



DE13FF

# 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.



FF5BFF



34FF13



00D8FF

# Square

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



34FF13



00FFFF



FFA0FF



FF8B3D

# Rectangle

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



34FF13



00FFEE



FFA0FF



FF43CF

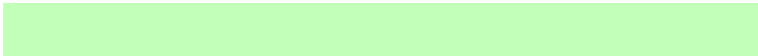


# Sweetspot

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



34FF13



C2FFB8



FFDC13



5A8054



000000



808080



# Same Dimension

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



34FF13



24FF00



13FF66



758073



1BBF00



094000



# Inverse Universe

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



DE13FF



DB00FF



FF13AC



7E7380



A500BF

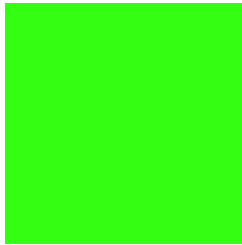


370040



# Previews

## White Background



This preview shows how the Hex color 34FF13 looks on a white background.

## Color Contrast Check

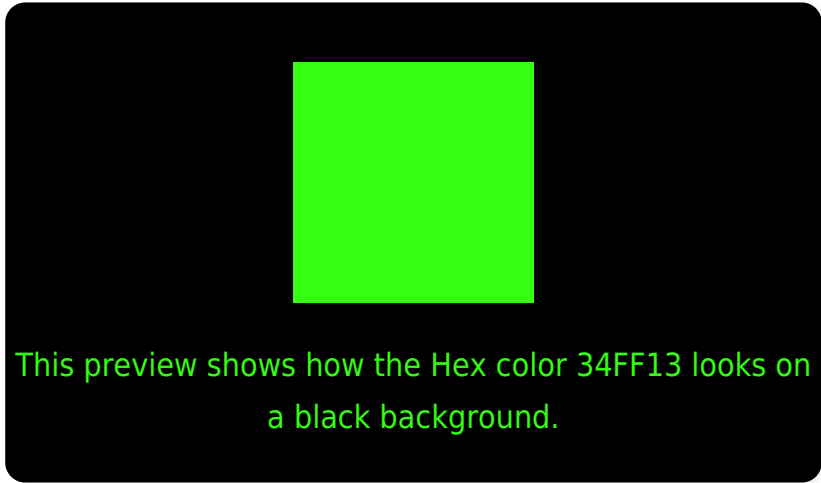
Large Text (above 18pt) WCAG AA × Fail

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

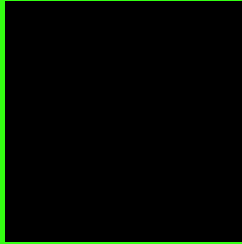
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 34FF13 Background



This preview shows how black text looks on a background with the Hex color 34FF13.

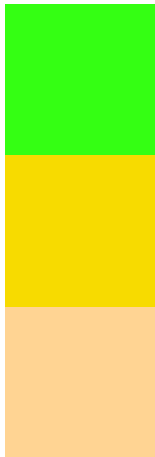


This preview shows how white text looks on a background with the Hex color 34FF13.

# 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](#).

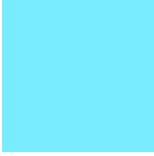
## Dichromacy



**Original Color**  
E67E22

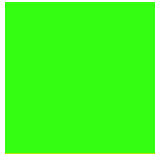
**Protanopia**  
F7DB00

**Deuteranopia**  
FFD493



**Tritanopia**  
7AECFF

# Trichromacy



**Original Color**  
34FF13



**Protanomaly**  
B0E807

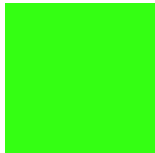


**Deuteranomaly**  
B5E464

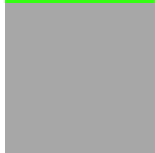


**Tritanomaly**  
61F3A9

# Monochromacy



**Original Color**  
34FF13



**Achromatopsia**  
A7A7A7



**Achromatomaly**  
7DC771

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 34FF13 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 #34FF13 looks like.

```
.text, #text, p{  
    color:#34FF13  
}
```

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 #34FF13 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #34FF13
}
```

## Border

The CSS property to change the border of an element to Hex 34FF13 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
#34FF13 }
```

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

```
.border{ border-color:#34FF13 }
```

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

Here you see how a box with a 4 pixel #34FF13 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #34FF13; -webkit-box-shadow:4px 4px  
4px 4px #34FF13; box-shadow:4px 4px 4px  
4px #34FF13 }
```

# Background

The CSS property to change the background color of an element to Hex 34FF13 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#34FF13 }
```

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

```
.background{ background-color:#34FF13 }
```

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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