

# Converting Colors

Hex(41FF00)

Have a look what the booklet for  
Hex(41FF00) contains.

<b>Hex(41FF00)</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> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**Hex(41FF00)**

# Conversions

## Conversions Part 1

Format	Color
Hex	41FF00
RGB	65, 255, 0
RGB Percent	25%, 100%, 0%
CMY	0.7451, 0.0000, 1.0000
CMYK	0.75, 0.00, 1.00, 0.00
HSL	105°, 100%, 50%
HSV	105°, 100%, 100%
XYZ	37.9400, 72.6438, 12.0220
YIQ	169.1200, -31.3850, -119.5850

# Conversions

## Conversions Part 2

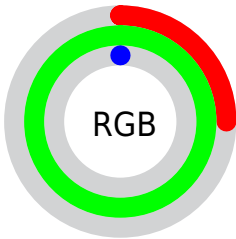
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 255, 190
Decimal	4325120
CIELab	88.28, -81.32, 83.84
CIELCh	88, 116.803, 134.127
Yxy	72.6438, 0.3094, 0.5925
Android (android.graphics.Color)	4282515200 (0xFF41FF00)
YUV	169.1200, -83.3762, -91.3132
Hunter-Lab	85.2313, -69.6972, 51.2990

# Details

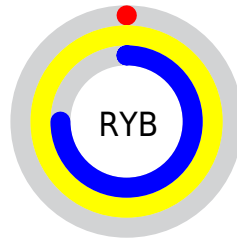
The Hex color **41FF00** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **BE00FF**, and the grayscale version is **AAAAAA**.

A 20% lighter version of the original color is **8EFF5C**, and **00C500** is the 20% darker color. If you saturate the color by 10%, you get **41FF00**, and if you desaturate by 10%, it is **54FF19**.

# Distribution



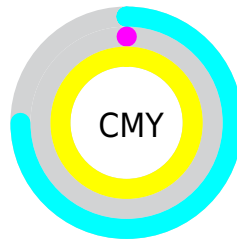
- Red (25%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (75%)



- Cyan (75%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)



- Cyan (75%)
- Magenta (0%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 41FF00 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 41FF00 by changing the saturation by 10% instead.



 41FF00

 41FF00

FFFFFF

 00E200

 8EFF5C

 00C500

 AFFF7B

 00A800

 D0FF99

 008C00

 F0FFB7

 007100

 FFFFD5

 005700

 FFFFF3

 003E00

 002300

 000000

 41FF00

 54FF19

 67FF33

 7AFF4D

 8DFF66

 A0FF80

 B3FF99

 C6FFB3

 D9FFCC

 ECFFE6

# Harmonies

## Analogous

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



DAE900



41FF00



00FF9C

# Triad

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



41FF00



00FBFF



FF4AAE

# Complementary

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



41FF00



BE00FF

# 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.



FF5DFF



41FF00



00DAFF

# Square

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



41FF00



00FFFF



FFA3FF



FF8941

# Rectangle

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



41FF00



00FFEA



FFA3FF



FF43D3

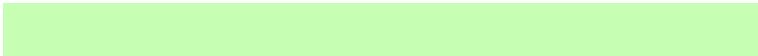


# Sweetspot

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



41FF00



C6FFB3



FFBB00



5D8052



000000



808080



# Same Dimension

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



41FF00



00FF3C



768073



31BF00



104000

# Inverse Universe

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



BE00FF



FF00C3



7C7380



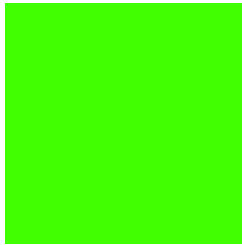
8F00BF



300040

# Previews

## White Background



This preview shows how the Hex color 41FF00 looks on a white background.

## Color Contrast Check

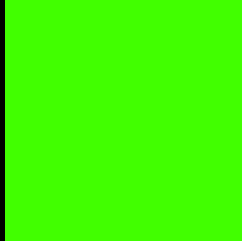
Large Text (above 18pt) WCAG AA × Fail

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 41FF00 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 41FF00 Background



This preview shows how black text looks on a background with the Hex color 41FF00.

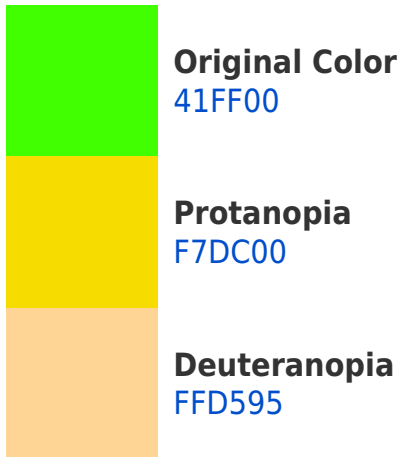


This preview shows how white text looks on a background with the Hex color 41FF00.

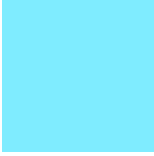
# Color Blindness Simulation

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

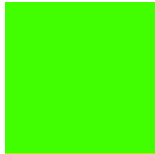






**Tritanopia**  
7FECFF

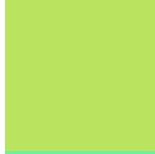
# Trichromacy



**Original Color**  
41FF00



**Protanomaly**  
B5E900

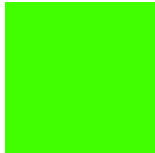


**Deuteranomaly**  
BAE45F



**Tritanomaly**  
68F3A2

# Monochromacy



**Original Color**  
41FF00



**Achromatopsia**  
A9A9A9



**Achromatomaly**  
83C86C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 41FF00 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 #41FF00 looks like.

```
.text, #text, p{  
    color:#41FF00  
}
```

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 #41FF00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #41FF00
}
```

## Border

The CSS property to change the border of an element to Hex 41FF00 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
#41FF00 }
```

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

```
.border{ border-color:#41FF00 }
```

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

Here you see how a box with a 4 pixel #41FF00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #41FF00; -webkit-box-shadow:4px 4px  
4px 4px #41FF00; box-shadow:4px 4px 4px  
4px #41FF00 }
```

# Background

The CSS property to change the background color of an element to Hex 41FF00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#41FF00 }
```

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

```
.background{ background-color:#41FF00 }
```

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