

# Converting Colors

Hex(47FF3D)

Have a look what the booklet for  
Hex(47FF3D) contains.

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**Color**

**Hex(47FF3D)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 47FF3D                       |
| RGB         | 71, 255, 61                  |
| RGB Percent | 28%, 100%, 24%               |
| CMY         | 0.7216, 0.0000, 0.7608       |
| CMYK        | 0.72, 0.00, 0.76, 0.00       |
| HSL         | 117°, 100%, 62%              |
| HSV         | 117°, 76%, 100%              |
| XYZ         | 39.2008, 73.1965, 16.4771    |
| YIQ         | 177.8680, -47.3900, -99.3420 |

# Conversions

## Conversions Part 2

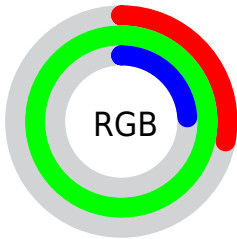
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| R <sub>YB</sub>                     | 61, 255, 245                    |
| Decimal                             | 4718397                         |
| CIE Lab                             | 88.54, -78.43, 73.67            |
| CIE LCh                             | 89, 107.598, 136.793            |
| Yxy                                 | 73.1965, 0.3042,<br>0.5680      |
| Android<br>(android.graphics.Color) | 4282908477<br>(0xFF47FF3D)      |
| YUV                                 | 177.8680, -57.6159,<br>-93.7232 |
| Hunter-Lab                          | 85.5550, -67.9334,<br>48.4697   |

# Details

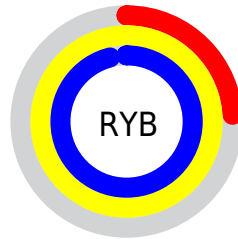
The Hex color **47FF3D** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **F53DFF**, and the grayscale version is **B2B2B2**.

A 20% lighter version of the original color is **90FF79**, and **00C500** is the 20% darker color. If you saturate the color by 10%, you get **2FFF23**, and if you desaturate by 10%, it is **5FFF57**.

# Distribution



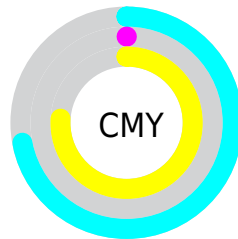
- Red (28%)
- Green (100%)
- Blue (24%)



- Red (24%)
- Yellow (100%)
- Blue (96%)



- Cyan (72%)
- Magenta (0%)
- Yellow (76%)
- Black (0%)



- Cyan (72%)
- Magenta (0%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 47FF3D 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 47FF3D by changing the saturation by 10% instead.



 47FF3D

 47FF3D

FFFFFF

 00E214

 90FF79

 00C500

 B1FF96

 00A800

 D1FFB3

 008D00

 F1FFD1

 007100

 FFFFEE

 005700

 003F00

 002400

 000000

 47FF3D

 47FF3D

 2FFF23

 5FFF57

 17FF0A

 77FF70

 0DFF00

 90FF8A

 A8FFA3

 C0FFBD

 D8FFD6

 F0FFF0

FFFFFF

# Harmonies

## Analogous

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



D5EB00



47FF3D



00FFAC

# Triad

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



47FF3D



00F7FF



FF69AA

# Complementary

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



47FF3D



F53DFF

# 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.



FF6FFF



47FF3D



53D7FF

# Square

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



47FF3D



00FFFF



FFA5FF



FF9947

# Rectangle

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



47FF3D



00FFF4



FFA5FF



FF62CB

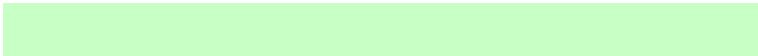


# Sweetspot

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



47FF3D



C7FFC4



FFF23D



5E805C



000000



808080



# Same Dimension

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



47FF3D



23FF17



3DFF91



738073



0ABF00



034000



# Inverse Universe

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



F53DFF



F317FF



FF3DAB



7F7380



B500BF

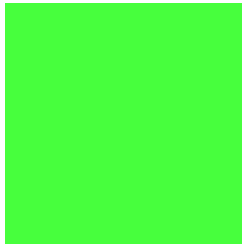


3C0040



# Previews

## White Background



This preview shows how the Hex color 47FF3D looks on a white background.

## Color Contrast Check

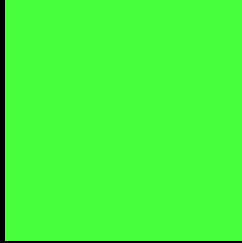
Large Text (above 18pt) WCAG AA × Fail

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 47FF3D 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 47FF3D Background



This preview shows how black text looks on a background with the Hex color 47FF3D.

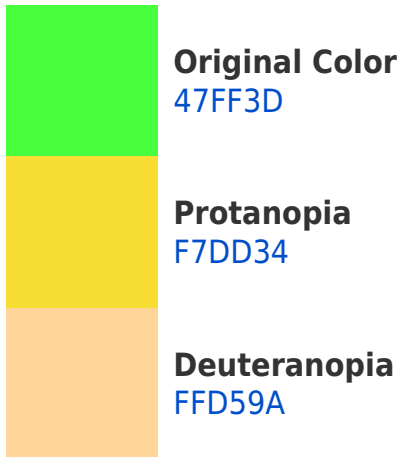


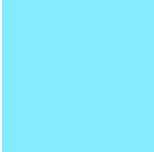
This preview shows how white text looks on a background with the Hex color 47FF3D.

# 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](#).

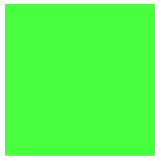
## Dichromacy





**Tritanopia**  
83EDFF

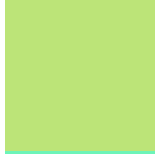
# Trichromacy



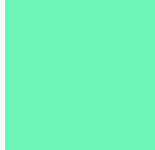
**Original Color**  
47FF3D



**Protanomaly**  
B7E937

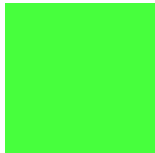


**Deuteranomaly**  
BCE478

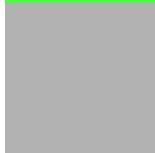


**Tritanomaly**  
6DF4B8

# Monochromacy



**Original Color**  
47FF3D



**Achromatopsia**  
B2B2B2



**Achromatomaly**  
8BCE87

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 47FF3D 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 #47FF3D looks like.

```
.text, #text, p{  
    color:#47FF3D  
}
```

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 #47FF3D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #47FF3D
}
```

## Border

The CSS property to change the border of an element to Hex 47FF3D 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
#47FF3D }
```

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

```
.border{ border-color:#47FF3D }
```

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

Here you see how a box with a 4 pixel #47FF3D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #47FF3D; -webkit-box-shadow:4px 4px  
4px 4px #47FF3D; box-shadow:4px 4px 4px  
4px #47FF3D }
```

# Background

The CSS property to change the background color of an element to Hex 47FF3D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#47FF3D }
```

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

```
.background{ background-color:#47FF3D }
```

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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