

Converting Colors

Hex(47FF00)

Have a look what the booklet for
Hex(47FF00) contains.

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Color

Hex(47FF00)

Conversions

Conversions Part 1

Format	Color
Hex	47FF00
RGB	71, 255, 0
RGB Percent	28%, 100%, 0%
CMY	0.7216, 0.0000, 1.0000
CMYK	0.72, 0.00, 1.00, 0.00
HSL	103°, 100%, 50%
HSV	103°, 100%, 100%
XYZ	38.3585, 72.8596, 12.0416
YIQ	170.9140, -27.8090, -118.3130

Conversions

Conversions Part 2

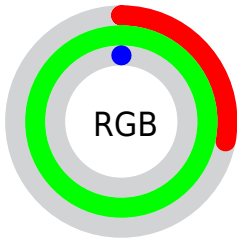
Format	Color
RYB	0, 255, 184
Decimal	4718336
CIELab	88.38, -80.42, 83.97
CIELCh	88, 116.266, 133.764
Yxy	72.8596, 0.3112, 0.5911
Android (android.graphics.Color)	4282908416 (0xFF47FF00)
YUV	170.9140, -84.2606, -87.6246
Hunter-Lab	85.3578, -69.1610, 51.3863

Details

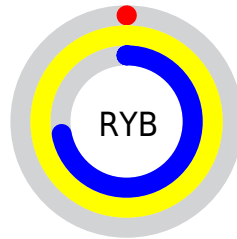
The Hex color **47FF00** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **B800FF**, and the grayscale version is **ACACAC**.

A 20% lighter version of the original color is **92FF5C**, and **00C500** is the 20% darker color. If you saturate the color by 10%, you get **47FF00**, and if you desaturate by 10%, it is **59FF19**.

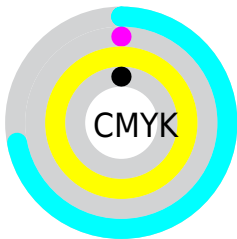
Distribution



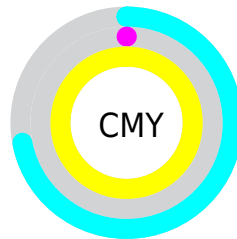
- Red (28%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (72%)



- Cyan (72%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)



- Cyan (72%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Hex color 47FF00 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 47FF00 by changing the saturation by 10% instead.

 47FF00

 47FF00

FFFFFF

 00E200


 92FF5C

 00C500

 B3FF7B

 00A800

 D3FF99

 008C00

 F3FFB7

 007100

 FFFFD5

 005700

 FFFFF3

 003E00

 002400

 000000

 47FF00

 59FF19

 6CFF33

 7EFF4D

 91FF66

 A3FF80

 B5FF99

 C8FFB3

 DAFFCC

 EDFFE6

Harmonies

Analogous

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



DCE900



47FF00



00FF9B

Triad

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



47FF00



00FCFF



FF4CB0

Complementary

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



47FF00



B800FF

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.



FF60FF



47FF00



00DBFF

Square

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



47FF00



00FFFF



FFA4FF



FF8944

Rectangle

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



47FF00



00FFE9



FFA4FF



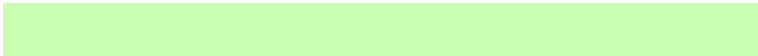
FF45D5

Sweetspot

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



47FF00



C8FFB3



FFB700



5E8052



000000



808080

Same Dimension

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



47FF00



00FF37



768073



35BF00



124000

Inverse Universe

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



B800FF



FF00C8



7C7380



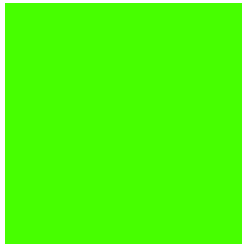
8A00BF



2E0040

Previews

White Background



This preview shows how the Hex color 47FF00 looks on a white background.

Color Contrast Check

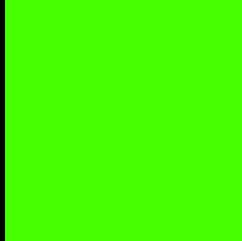
Large Text (above 18pt) WCAG AA × Fail

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 47FF00 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

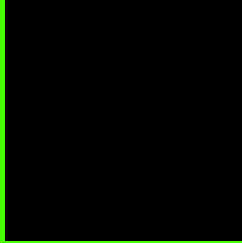
Any Text WCAG AA ✓ Pass

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 47FF00 Background



This preview shows how black text looks on a background with the Hex color 47FF00.



This preview shows how white text looks on a background with the Hex color 47FF00.

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](#).

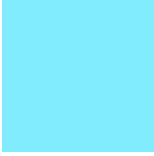
Dichromacy



Original Color
E67E22

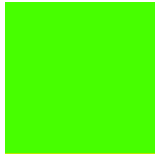
Protanopia
F1C40F

Deuteranopia
A9D0D9



Tritanopia
82ECFF

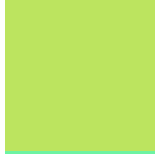
Trichromacy



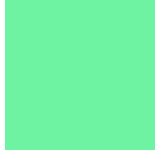
Original Color
47FF00



Protanomaly
B8E900

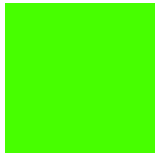


Deuteranomaly
BCE45F

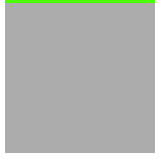


Tritanomaly
6DF3A2

Monochromacy



Original Color
47FF00



Achromatopsia
ABABAB



Achromatomaly
87CA6D

CSS Examples

Text

The CSS property to change the color of the text to Hex 47FF00 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 #47FF00 looks like.

```
.text, #text, p{  
    color:#47FF00  
}
```

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 #47FF00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #47FF00
}
```

Border

The CSS property to change the border of an element to Hex 47FF00 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
#47FF00 }
```

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

```
.border{ border-color:#47FF00 }
```

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

Here you see how a box with a 4 pixel #47FF00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #47FF00; -webkit-box-shadow:4px 4px  
4px 4px #47FF00; box-shadow:4px 4px 4px  
4px #47FF00 }
```

Background

The CSS property to change the background color of an element to Hex 47FF00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#47FF00 }
```

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

```
.background{ background-color:#47FF00 }
```

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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