

Converting Colors

Hex(7FFF00)

Have a look what the booklet for
Hex(7FFF00) contains.

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Color

Hex(7FFF00)

Conversions

Conversions Part 1

Format	Color
Hex	7FFF00
RGB	127, 255, 0
RGB Percent	50%, 100%, 0%
CMY	0.5020, 0.0000, 1.0000
CMYK	0.50, 0.00, 1.00, 0.00
HSL	90°, 100%, 50%
HSV	90°, 100%, 100%
XYZ	44.5124, 76.0320, 12.3296
YIQ	187.6580, 5.5670, -106.4410

Conversions

Conversions Part 2

Format	Color
RYB	0, 255, 128
Decimal	8388352
CIELab	89.87, -68.07, 85.78
CIELCh	90, 109.508, 128.432
Yxy	76.0320, 0.3350, 0.5722
Android (android.graphics.Color)	4286578432 (0xFF7FFF00)
YUV	187.6580, -92.5154, -53.1971
Hunter-Lab	87.1963, -61.4721, 52.6538

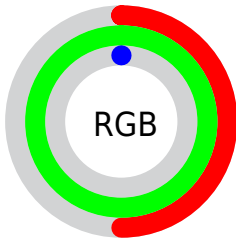
Details

The Hex color **7FFF00** is a dark color, and the websafe version is hex **66FF00**, and the color name is **chartreuse**. The color can be described as dark saturated chartreuse. A complement of this color would be **8000FF**, and the grayscale version is **BDBDBD**.

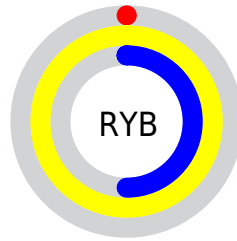
A 20% lighter version of the original color is **BEFF5D**, and **38C500** is the 20% darker color. If you saturate the color by 10%, you get **7FFF00**, and if you desaturate by 10%, it is **8CFF19**.

Chartreuse is a yellowish-green color, named after a French liqueur called green chartreuse.

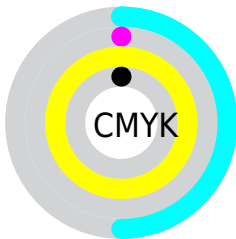
Distribution



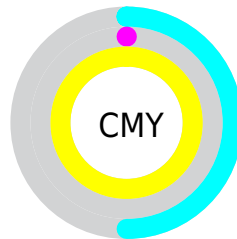
- Red (50%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (50%)



- Cyan (50%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)



- Cyan (50%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Hex color 7FFF00 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 7FFF00 by changing the saturation by 10% instead.

 7FFF00

 7FFF00

FFFFFF

 5EE200

 BEFF5D

 38C500

 DDF77C

 00A900

 FCFF9A

 008E00

 FFFF80

 007300

 FFFFD6

 005900

 FFFFF4

 004000

 002800

 000000

 7FFF00

 8CFF19

 99FF33

 A5FF4D

 B2FF66

 BFFF80

 CCFF99

 D9FFB3

 E5FFCC

 F2FFE6

Harmonies

Analogous

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



F4E700



7FFF00



00FF90

Triad

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



7FFF00



00FFFF



FF63C9

Complementary

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



7FFF00



8000FF

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.



FF7EFF



7FFF00



00E6FF

Square

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



7FFF00



00FFFF



FFB7FF



FF8C64

Rectangle

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



7FFF00



00FFD9



FFB7FF



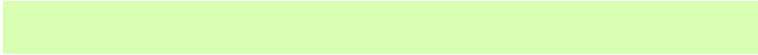
FF64EC

Sweetspot

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



7FFF00



D9FFB3



FF8000



688052



000000



808080

Same Dimension

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



7FFF00



00FF00



798073



5FBF00



204000

Inverse Universe

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



8000FF



FF00FF



797380



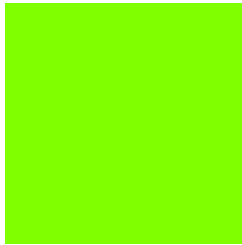
6000BF



200040

Previews

White Background



This preview shows how the Hex color 7FFF00 looks on a white background.

Color Contrast Check

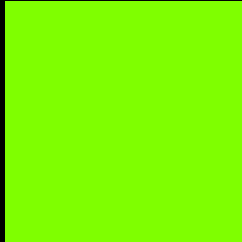
Large Text (above 18pt) WCAG AA × Fail

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 7FFF00 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

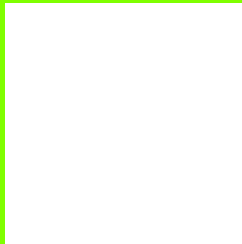
Any Text WCAG AAA ✓ Pass

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

Hex 7FFF00 Background



This preview shows how black text looks on a background with the Hex color 7FFF00.



This preview shows how white text looks on a background with the Hex color 7FFF00.

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](#).

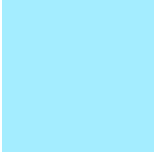
Dichromacy



Original Color
7FFF00

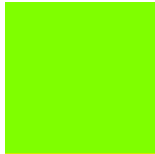
Protanopia
FDE100

Deuteranopia
FFDBA7



Tritanopia
A4EDFF

Trichromacy



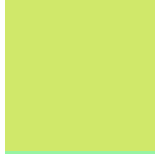
Original Color

7FFF00



Protanomaly

C FEC00



Deuteranomaly

D0E86A



Tritanomaly

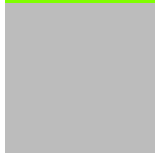
97F4A2

Monochromacy



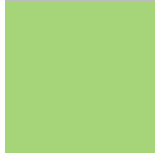
Original Color

7FFF00



Achromatopsia

BCBCBC



Achromatomaly

A6D478

CSS Examples

Text

The CSS property to change the color of the text to Hex 7FFF00 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 #7FFF00 looks like.

```
.text, #text, p{  
    color:#7FFF00  
}
```

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 #7FFF00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7FFF00
}
```

Border

The CSS property to change the border of an element to Hex 7FFF00 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
#7FFF00 }
```

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

```
.border{ border-color:#7FFF00 }
```

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

Here you see how a box with a 4 pixel #7FFF00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7FFF00; -webkit-box-shadow:4px 4px  
4px 4px #7FFF00; box-shadow:4px 4px 4px  
4px #7FFF00 }
```

Background

The CSS property to change the background color of an element to Hex 7FFF00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7FFF00 }
```

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

```
.background{ background-color:#7FFF00 }
```

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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