

# Converting Colors

Hex(77FF4F)

Have a look what the booklet for  
Hex(77FF4F) contains.

|  |    |
|--|----|
| <b>Hex(77FF4F)</b> .....                       | 3  |
| <i><b>Conversions</b></i> .....                | 4  |
| <i><b>Details</b></i> .....                    | 6  |
| <i><b>Harmonies</b></i> .....                  | 11 |
| <i><b>Previews</b></i> .....                   | 23 |
| <i><b>Color Blindness Simulation</b></i> ..... | 26 |
| <i><b>CSS Examples</b></i> .....               | 29 |

# Color

Hex(77FF4F)

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 77FF4F                       |
| RGB         | 119, 255, 79                 |
| RGB Percent | 47%, 100%, 31%               |
| CMY         | 0.5333, 0.0000, 0.6902       |
| CMYK        | 0.53, 0.00, 0.69, 0.00       |
| HSL         | 106°, 100%, 65%              |
| HSV         | 106°, 69%, 100%              |
| XYZ         | 44.7790, 76.0065, 19.7078    |
| YIQ         | 194.2720, -24.5600, -83.5680 |

# Conversions

## Conversions Part 2

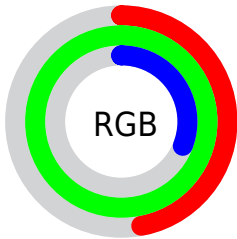
| Format   | Color  |
|--|--|
| <a href="#">RYB</a>                                  | <a href="#">79, 255, 215</a>                 |
| Decimal  | <a href="#">7864143</a>                      |
| <a href="#">CIELab</a>                               | <a href="#">89.86, -67.24, 69.39</a>         |
| <a href="#">CIElCh</a>                               | <a href="#">90, 96.626, 134.101</a>          |
| <a href="#">Yxy</a>                                  | <a href="#">76.0065, 0.3187, 0.5410</a>      |
| <a href="#">Android<br/>(android.graphics.Color)</a> | <a href="#">4286054223<br/>(0xFF77FF4F)</a>  |
| <a href="#">YUV</a>                                  | <a href="#">194.2720, -56.8291, -66.0135</a> |
| <a href="#">Hunter-Lab</a>                           | <a href="#">87.1817, -60.8852, 47.6244</a>   |

# Details

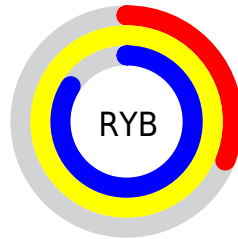
The Hex color **77FF4F** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed chartreuse. A complement of this color would be **D74FFF**, and the grayscale version is **C3C3C3**.

A 20% lighter version of the original color is **B5FF88**, and **2FC500** is the 20% darker color. If you saturate the color by 10%, you get **63FF36**, and if you desaturate by 10%, it is **8BFF69**.

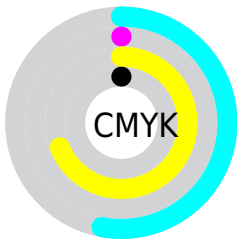
# Distribution



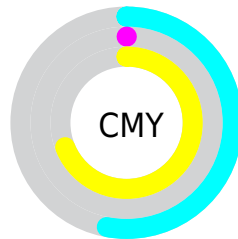
- Red (47%)
- Green (100%)
- Blue (31%)



- Red (31%)
- Yellow (100%)
- Blue (84%)



- Cyan (53%)
- Magenta (0%)
- Yellow (69%)
- Black (0%)



- Cyan (53%)
- Magenta (0%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 77FF4F 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 77FF4F by changing the saturation by 10% instead.



 77FF4F

 77FF4F

FFFFFF

 56E230

 B5FF88

 2FC500

 D4FFA5

 00A900

 F3FFC2

 008E00

 FFFFDF

 007300

FFFFFFD

 005900

 004000

 002800

 000000

 77FF4F

 77FF4F

 63FF36

 8BFF69

 50FF1C

 9EFF82

 3CFF03

 B2FF9C

 3AFF00

 C6FFB5

 DAFFCF

 EDFFE8

FFFFFF

# Harmonies

## Analogous

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



E5EB00



77FF4F



00FFAC

# Triad

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



77FF4F



00FAFF



FF82BA

# Complementary

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



77FF4F



D74FFF

# 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.



FF8BFF



77FF4F



63DEFF

# Square

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



77FF4F



00FFFF



FFB4FF



FFA364

# Rectangle

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



77FF4F



00FFEC



FFB4FF



FF7FD9

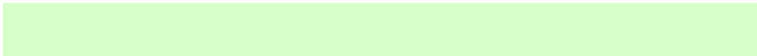


# Sweetspot

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



77FF4F



D6FFC9



FFD64F



678060



000000



808080



# Same Dimension

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



77FF4F



5BFF2B



4FFF7E



768073



2BBF00



0E4000



# Inverse Universe

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



D74FFF



CF2BFF



FF4FD0



7D7380



9400BF

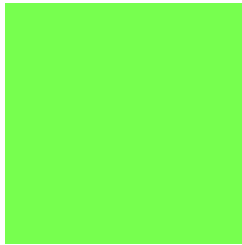


310040



# Previews

## White Background



This preview shows how the Hex color 77FF4F looks on a white background.

## Color Contrast Check

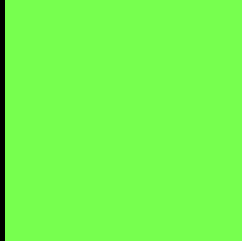
Large Text (above 18pt) WCAG AA × Fail

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 77FF4F looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

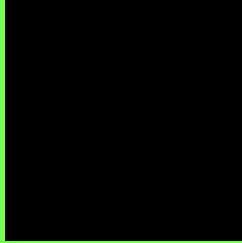
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

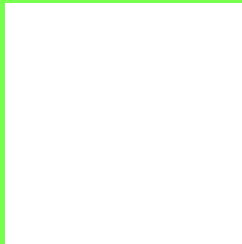
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 77FF4F Background



This preview shows how black text looks on a background with the Hex color 77FF4F.

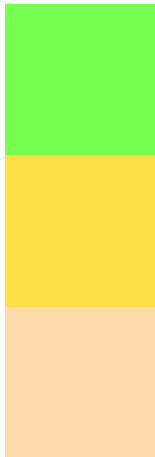


This preview shows how white text looks on a background with the Hex color 77FF4F.

# 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](#).

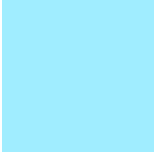
## Dichromacy



**Original Color**  
#FF0000

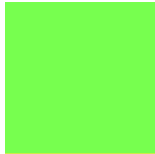
**Protanopia**  
#008000

**Deuteranopia**  
#0000FF



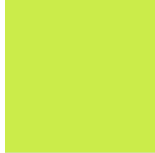
**Tritanopia**  
A0EDFF

# Trichromacy



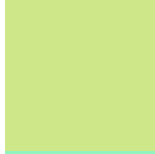
**Original Color**

77FF4F



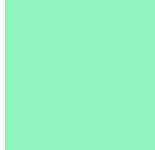
**Protanomaly**

CBEC4A



**Deuteranomaly**

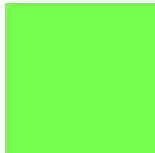
CEE789



**Tritanomaly**

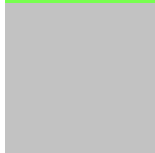
91F4BF

# Monochromacy



**Original Color**

77FF4F



**Achromatopsia**

C2C2C2



**Achromatomaly**

A7D898

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 77FF4F 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 #77FF4F looks like.

```
.text, #text, p{  
    color:#77FF4F  
}
```

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 #77FF4F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #77FF4F
}
```

## Border

The CSS property to change the border of an element to Hex 77FF4F 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
#77FF4F }
```

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

```
.border{ border-color:#77FF4F }
```

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

Here you see how a box with a 4 pixel #77FF4F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #77FF4F; -webkit-box-shadow:4px 4px  
4px 4px #77FF4F; box-shadow:4px 4px 4px  
4px #77FF4F }
```

# Background

The CSS property to change the background color of an element to Hex 77FF4F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#77FF4F }
```

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

```
.background{ background-color:#77FF4F }
```

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