

Converting Colors

Hex(47FF77)

Have a look what the booklet for
Hex(47FF77) contains.

Hex(47FF77)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(47FF77)

Conversions

Conversions Part 1

Format	Color
Hex	47FF77
RGB	71, 255, 119
RGB Percent	28%, 100%, 47%
CMY	0.7216, 0.0000, 0.5333
CMYK	0.72, 0.00, 0.53, 0.00
HSL	136°, 100%, 64%
HSV	136°, 72%, 100%
XYZ	41.6883, 74.1915, 29.5760
YIQ	184.4800, -66.0080, -81.3040

Conversions

Conversions Part 2

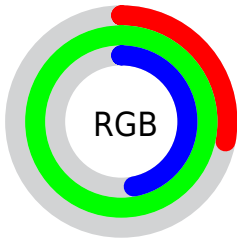
Format	Color
RYB	71, 217, 255
Decimal	4718455
CIELab	89.01, -72.75, 51.53
CIElCh	89, 89.150, 144.688
Yxy	74.1915, 0.2866, 0.5101
Android (android.graphics.Color)	4282908535 (0xFF47FF77)
YUV	184.4800, -32.2816, -99.5220
Hunter-Lab	86.1345, -64.3430, 39.9358

Details

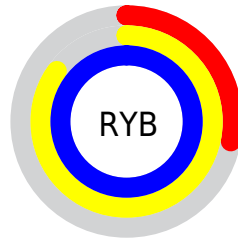
The Hex color **47FF77** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **FF47CF**, and the grayscale version is **B9B9B9**.

A 20% lighter version of the original color is **8EFFAE**, and **00C542** is the 20% darker color. If you saturate the color by 10%, you get **2EFF64**, and if you desaturate by 10%, it is **61FF8A**.

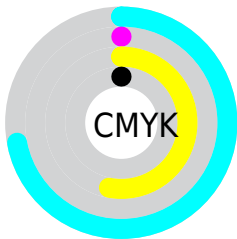
Distribution



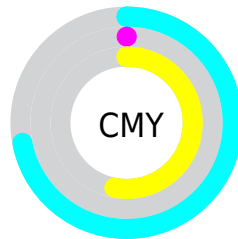
- Red (28%)
- Green (100%)
- Blue (47%)



- Red (28%)
- Yellow (85%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)



- Cyan (72%)
- Magenta (0%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Hex color 47FF77 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 47FF77 by changing the saturation by 10% instead.

 47FF77

 47FF77

FFFFFF

 02E25C

 8EFAAE

 00C542

 AEFFCA

 00A826

 CEFFE7

 008D00

 EEEFFF

 007200

 005800

 003F00

 002500

 000000

 47FF77

 47FF77

 2EFF64

 61FF8A

 14FF51

 7AFF9D

 00FF43

 93FFB0

 ADFFC2

 C7FFD5

 E0FFE8

 FAFFFB

FFFFFF

Harmonies

Analogous

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



C5F02A



47FF77



00FFCD

Triad

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



47FF77



00EEFF



FF929E

Complementary

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



47FF77



FF47CF

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.



FF8CF2



47FF77



C1CFFF

Square

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



47FF77



00FFFF



FFA9FF



FFB453

Rectangle

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



47FF77



00FFFF



FFA9FF



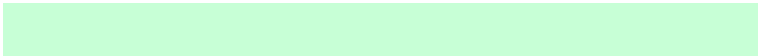
FF8CB9

Sweetspot

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



47FF77



C7FFD6



D1FF47



5E8067



000000



808080

Same Dimension

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



47FF77



21FF5B



47FFD1



738076



00BF32



004011

Inverse Universe

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



FF47CF



FF21C5



FF4775



80737C



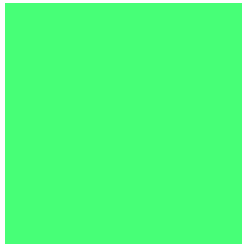
BF008D



40002F

Previews

White Background



This preview shows how the Hex color 47FF77 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 47FF77 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 47FF77 Background



This preview shows how black text looks on a background with the Hex color 47FF77.

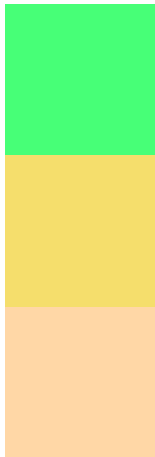


This preview shows how white text looks on a background with the Hex color 47FF77.

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](#).

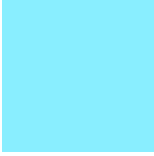
Dichromacy



Original Color
47FF77

Protanopia
F5DE6C

Deuteranopia
FFD7A6



Tritanopia
89EEFF

Trichromacy



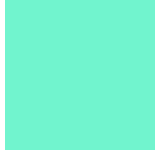
Original Color
47FF77



Protanomaly
B6EA70



Deuteranomaly
BCE695



Tritanomaly
71F4CE

Monochromacy



Original Color
47FF77



Achromatopsia
B8B8B8



Achromatomaly
8FD2A0

CSS Examples

Text

The CSS property to change the color of the text to Hex 47FF77 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 #47FF77 looks like.

```
.text, #text, p{  
    color:#47FF77  
}
```

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 #47FF77 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #47FF77  
}
```

Border

The CSS property to change the border of an element to Hex 47FF77 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  
#47FF77 }
```

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

```
.border{ border-color:#47FF77 }
```

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

Here you see how a box with a 4 pixel #47FF77 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #47FF77; -webkit-box-shadow:4px 4px  
4px 4px #47FF77; box-shadow:4px 4px 4px  
4px #47FF77 }
```

Background

The CSS property to change the background color of an element to Hex 47FF77 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#47FF77 }
```

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

```
.background{ background-color:#47FF77 }
```

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