

# Converting Colors

Hex(7BFF5C)

Have a look what the booklet for  
Hex(7BFF5C) contains.

<b>Hex(7BFF5C)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# **Color**

**Hex(7BFF5C)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BFF5C
RGB	123, 255, 92
RGB Percent	48%, 100%, 36%
CMY	0.5176, 0.0000, 0.6392
CMYK	0.52, 0.00, 0.64, 0.00
HSL	109°, 100%, 68%
HSV	109°, 64%, 100%
XYZ	45.8601, 76.5037, 22.4748
YIQ	196.9500, -26.3490, -78.6770

# Conversions

## Conversions Part 2

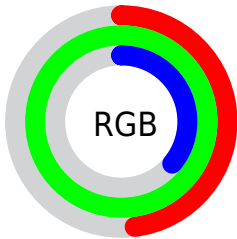
<b>Format</b>	<b>Color</b>
<b>RYB</b>	92, 255, 224
Decimal	8126300
CIELab	90.09, -65.13, 64.72
CIElCh	90, 91.819, 135.181
Yxy	76.5037, 0.3166, 0.5282
Android (android.graphics.Color)	4286316380 (0xFF7BFF5C)
YUV	196.9500, -51.7403, -64.8541
Hunter-Lab	87.4664, -59.4755, 45.9917

# Details

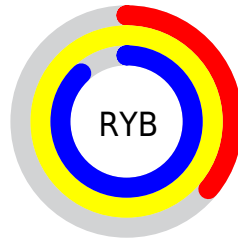
The Hex color **7BFF5C** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted chartreuse. A complement of this color would be **E05CFF**, and the grayscale version is **C5C5C5**.

A 20% lighter version of the original color is **B8FF94**, and **36C51E** is the 20% darker color. If you saturate the color by 10%, you get **66FF43**, and if you desaturate by 10%, it is **90FF76**.

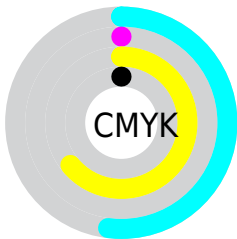
# Distribution



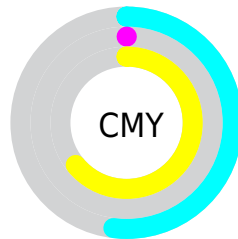
- Red (48%)
- Green (100%)
- Blue (36%)



- Red (36%)
- Yellow (100%)
- Blue (88%)



- Cyan (52%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)



- Cyan (52%)
- Magenta (0%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7BFF5C 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 7BFF5C by changing the saturation by 10% instead.



 7BFF5C

 7BFF5C

FFFFFF

 5BE23F

 B8FF94

 36C51E

 D7FFB0

 00A900

 F6FFCD

 008E00

 FFFFEA

 007300

 005900

 004000

 002800

 000100

 7BFF5C

 7BFF5C

 66FF43

 90FF76

 52FF29

 A4FF8F

 3DFF10

 B9FFA9

 30FF00

 CEFFC2

 E2FFDC

 F7FFF5

FFFFFF

# Harmonies

## Analogous

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



E3EC00



7BFF5C



00FFB3

# Triad

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



7BFF5C



00F9FF



FF8BBA

# Complementary

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



7BFF5C



E05CFF

# 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.



FF91FF



7BFF5C



7FDDFF

# Square

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



7BFF5C



00FFFF



FFB6FF



FFA968

# Rectangle

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



7BFF5C



00FFF0



FFB6FF



FF88D7

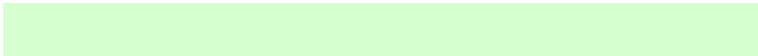


# Sweetspot

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



7BFF5C



D8FFCF



FFDE5C



688062



000000



808080



# Same Dimension

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



7BFF5C



60FF3B



5CFF8D



758073



24BF00



0C4000



# Inverse Universe

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



E05CFF



DA3BFF



FF5CCE



7D7380



9B00BF

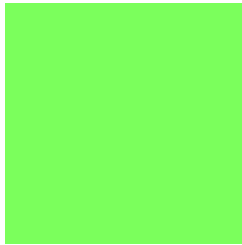


340040



# Previews

## White Background



This preview shows how the Hex color 7BFF5C looks on a white background.

## Color Contrast Check

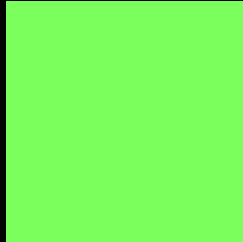
Large Text (above 18pt) WCAG AA × Fail

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 7BFF5C looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

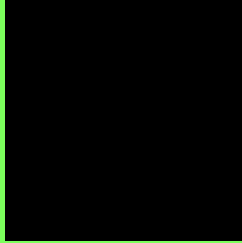
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

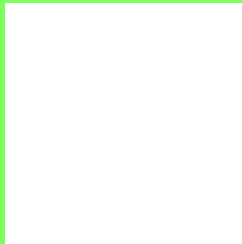
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 7BFF5C Background



This preview shows how black text looks on a background with the Hex color 7BFF5C.

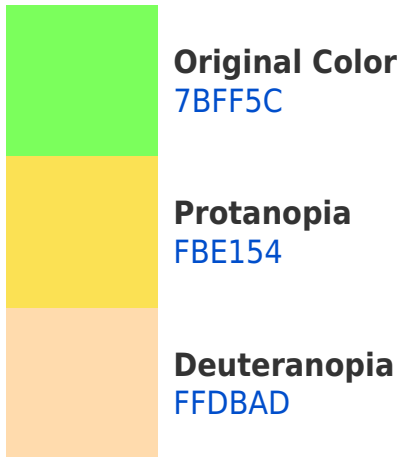


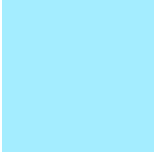
This preview shows how white text looks on a background with the Hex color 7BFF5C.

# 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



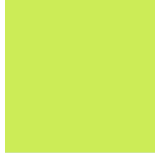


**Tritanopia**  
A4EDFF

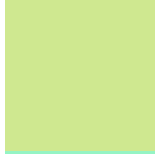
# Trichromacy



**Original Color**  
7BFF5C



**Protanomaly**  
CCEC57

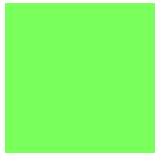


**Deuteranomaly**  
CFE890

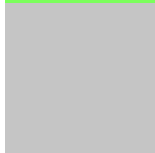


**Tritanomaly**  
95F4C4

# Monochromacy



**Original Color**  
7BFF5C



**Achromatopsia**  
C5C5C5



**Achromatomaly**  
AADA9F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7BFF5C 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 #7BFF5C looks like.

```
.text, #text, p{  
    color:#7BFF5C  
}
```

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 #7BFF5C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7BFF5C
}
```

## Border

The CSS property to change the border of an element to Hex 7BFF5C 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
#7BFF5C }
```

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

```
.border{ border-color:#7BFF5C }
```

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

Here you see how a box with a 4 pixel #7BFF5C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7BFF5C; -webkit-box-shadow:4px 4px  
4px 4px #7BFF5C; box-shadow:4px 4px 4px  
4px #7BFF5C }
```

# Background

The CSS property to change the background color of an element to Hex 7BFF5C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7BFF5C }
```

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

```
.background{ background-color:#7BFF5C }
```

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