

# Converting Colors

Hex(83FF5B)

Have a look what the booklet for  
Hex(83FF5B) contains.

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**Color**

**Hex(83FF5B)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 83FF5B                       |
| RGB         | 131, 255, 91                 |
| RGB Percent | 51%, 100%, 36%               |
| CMY         | 0.4863, 0.0000, 0.6431       |
| CMYK        | 0.49, 0.00, 0.64, 0.00       |
| HSL         | 105°, 100%, 68%              |
| HSV         | 105°, 64%, 100%              |
| XYZ         | 47.0084, 77.1006, 22.3018    |
| YIQ         | 199.2280, -21.2600, -77.2920 |

# Conversions

## Conversions Part 2

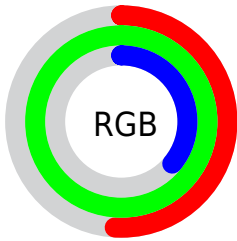
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 91, 255, 215                    |
| Decimal                             | 8650587                         |
| CIELab                              | 90.37, -63.07, 65.50            |
| CIELCh                              | 90, 90.929, 133.918             |
| Yxy                                 | 77.1006, 0.3211,<br>0.5266      |
| Android<br>(android.graphics.Color) | 4286840667<br>(0xFF83FF5B)      |
| YUV                                 | 199.2280, -53.3564,<br>-59.8360 |
| Hunter-Lab                          | 87.8070, -58.1003,<br>46.4060   |

# Details

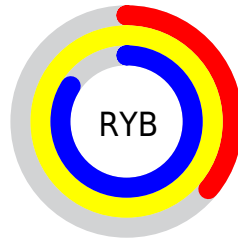
The Hex color **83FF5B** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **D75BFF**, and the grayscale version is **C8C8C8**.

A 20% lighter version of the original color is **C0FF93**, and **42C51C** is the 20% darker color. If you saturate the color by 10%, you get **70FF42**, and if you desaturate by 10%, it is **96FF75**.

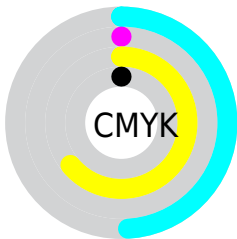
# Distribution



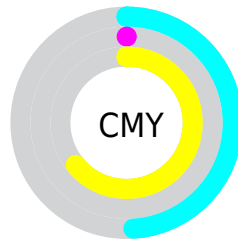
- Red (51%)
- Green (100%)
- Blue (36%)



- Red (36%)
- Yellow (100%)
- Blue (84%)



- Cyan (49%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)



- Cyan (49%)
- Magenta (0%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83FF5B 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 83FF5B by changing the saturation by 10% instead.



 83FF5B

 83FF5B

FFFFFF

 64E23E

 C0FF93

 42C51C

 DEFFB0


 12A900

 FDFFCC

 008E00

 FFFFEA

 007300

 005900

 004000

 002900

 000300

 83FF5B

 83FF5B

 70FF42

 96FF75

 5CFF28

 AAFF8E

 49FF0F

 BDFFA8

 3EFF00

 D0FFC1

 E3FFDB

 F7FFF4

FFFFFF

# Harmonies

## Analogous

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



E8EC06



83FF5B



00FFB0

# Triad

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



83FF5B



00FAFF



FF8DBF

# Complementary

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



83FF5B



D75BFF

# 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.



FF95FF



83FF5B



77E0FF

# Square

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



83FF5B



00FFFF



FFBAFF



FFA96D

# Rectangle

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



83FF5B



00FFED



FFBAFF



FF8BDC

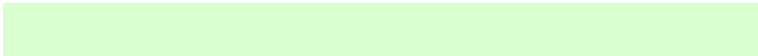


# Sweetspot

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



83FF5B



DAFFCF



FFD65B



698062



000000



808080



# Same Dimension

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



83FF5B



6BFF3B



5BFF84



768073



2FBF00



104000



# Inverse Universe

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



D75BFF



CF3BFF



FF5BD6



7C7380



9100BF

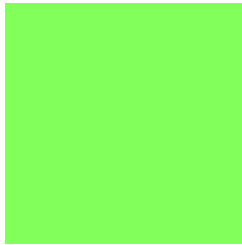


300040



# Previews

## White Background



This preview shows how the Hex color 83FF5B looks on a white background.

## Color Contrast Check

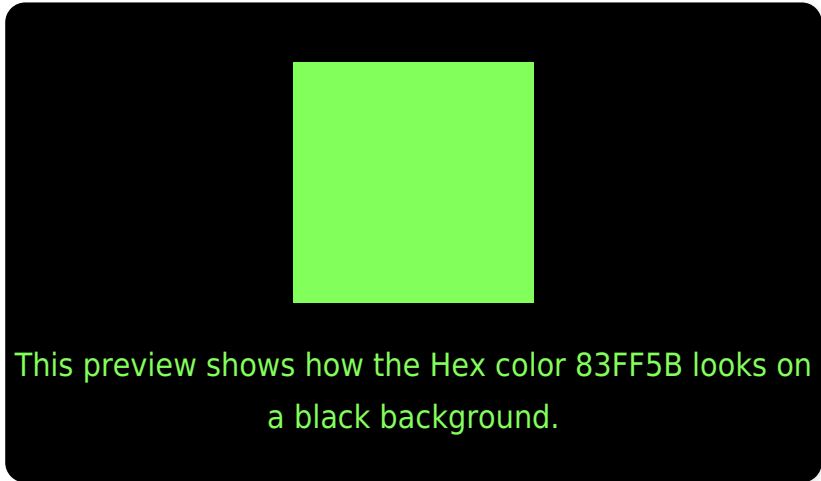
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

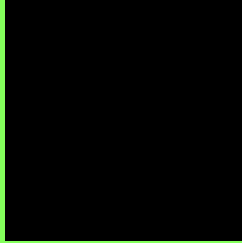
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

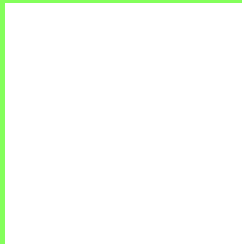
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 83FF5B Background



This preview shows how black text looks on a background with the Hex color 83FF5B.

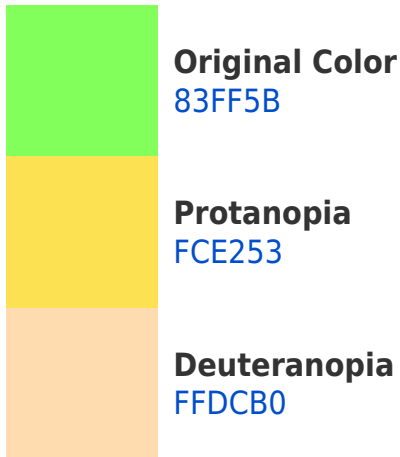


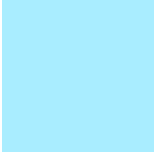
This preview shows how white text looks on a background with the Hex color 83FF5B.

# 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](#).

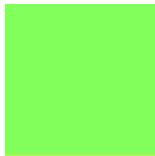
## Dichromacy



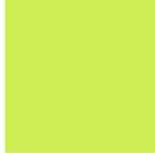


**Tritanopia**  
A9EDFF

# Trichromacy



**Original Color**  
83FF5B



**Protanomaly**  
D0ED56



**Deuteranomaly**  
D2E991

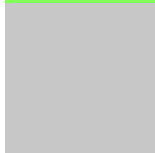


**Tritanomaly**  
9BF4C3

# Monochromacy



**Original Color**  
83FF5B



**Achromatopsia**  
C7C7C7



**Achromatomaly**  
AEDBA0

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83FF5B 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 #83FF5B looks like.

```
.text, #text, p{  
    color:#83FF5B  
}
```

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 #83FF5B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83FF5B
}
```

## Border

The CSS property to change the border of an element to Hex 83FF5B 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
#83FF5B }
```

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

```
.border{ border-color:#83FF5B }
```

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

Here you see how a box with a 4 pixel #83FF5B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83FF5B; -webkit-box-shadow:4px 4px  
4px 4px #83FF5B; box-shadow:4px 4px 4px  
4px #83FF5B }
```

# Background

The CSS property to change the background color of an element to Hex 83FF5B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83FF5B }
```

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

```
.background{ background-color:#83FF5B }
```

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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