

# Converting Colors

Hex(83F831)

Have a look what the booklet for  
Hex(83F831) contains.

<b>Hex(83F831)</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(83F831)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83F831
RGB	131, 248, 49
RGB Percent	51%, 97%, 19%
CMY	0.4863, 0.0275, 0.8078
CMYK	0.47, 0.00, 0.80, 0.03
HSL	95°, 93%, 58%
HSV	95°, 80%, 97%
XYZ	43.4819, 72.1818, 14.5465
YIQ	190.3310, -5.8530, -86.6930

# Conversions

## Conversions Part 2

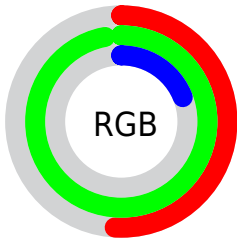
Format	Color
<a href="#">RYB</a>	49, 248, 166
Decimal	8648753
CIELab	88.06, -63.25, 77.16
CIELCh	88, 99.776, 129.341
Yxy	72.1818, 0.3339, 0.5543
Android (android.graphics.Color)	4286838833 (0xFF83F831)
YUV	190.3310, -69.6762, -52.0333
Hunter-Lab	84.9599, -57.3248, 49.3205

# Details

The Hex color **83F831** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **A631F8**, and the grayscale version is **BFBFBF**.

A 20% lighter version of the original color is **C0FF70**, and **41BF00** is the 20% darker color. If you saturate the color by 10%, you get **74F818**, and if you desaturate by 10%, it is **92F84A**.

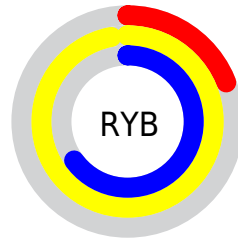
# Distribution



Red (51%)

Green (97%)

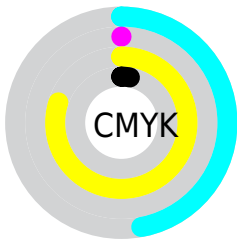
Blue (19%)



Red (19%)

Yellow (97%)

Blue (65%)

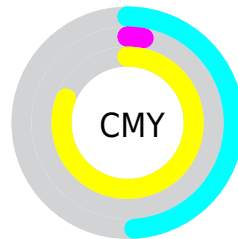


Cyan (47%)

Magenta (0%)

Yellow (80%)

Black (3%)



Cyan (49%)

Magenta (3%)

Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83F831 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 83F831 by changing the saturation by 10% instead.



 83F831

 83F831

FFFFFF

 63DB00

 C0FF70

 41BF00

 DFFF8D

 0EA300


 FEFFAB

 008800


 FFFFC8

 006D00

 FFFF E6

 005400

 003B00

 002300

 000000

 83F831

 83F831

 74F818

 92F84A

 66F800

 A0F863

 AFF87B

 BDF894

 CCF8AD

 DAF8C6

 E9F8DF

 F8F8F7

 FFF8FF

# Harmonies

## Analogous

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



EDE200



83F831



00FF96

# Triad

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



83F831



00F9FF



FF73C3

# Complementary

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



83F831



A631F8

# 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.



FF86FF



83F831



00DFFF

# Square

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



83F831



00FFFF



FFB5FF



FF9368

# Rectangle

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



83F831



00FFD8



FFB5FF



FF73E3

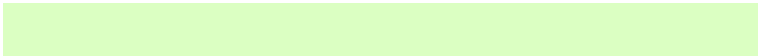


# Sweetspot

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



83F831



DBFFC2



F8A531



6A805B



000000



808080



# Same Dimension

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



83F831



6FFF0A



31F842



767D70



4EBD00



193D00



# Inverse Universe

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



A631F8



9A0AFF



F831E7



78707D



6F00BD

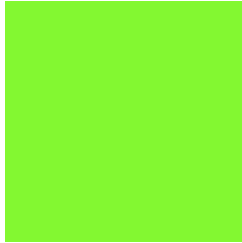


24003D



# Previews

## White Background



This preview shows how the Hex color 83F831 looks on a white background.

## Color Contrast Check

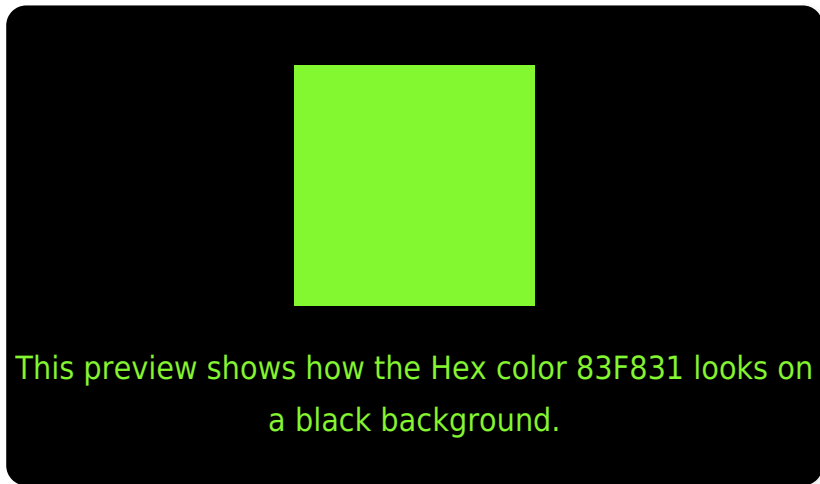
Large Text (above 18pt) WCAG AA × Fail

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 83F831 Background



This preview shows how black text looks on a background with the Hex color 83F831.

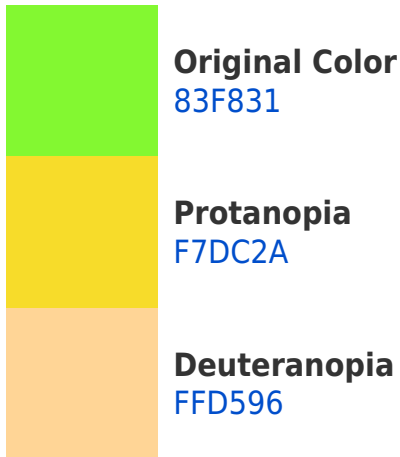


This preview shows how white text looks on a background with the Hex color 83F831.

# 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](#).

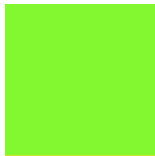
## Dichromacy





**Tritanopia**  
A2E7F9

# Trichromacy



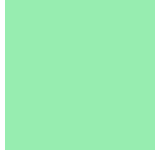
**Original Color**  
83F831



**Protanomaly**  
CDE62D



**Deuteranomaly**  
D2E271

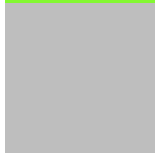


**Tritanomaly**  
97EDB0

# Monochromacy



**Original Color**  
83F831



**Achromatopsia**  
BEBEBE



**Achromatomaly**  
A9D38B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83F831 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 #83F831 looks like.

```
.text, #text, p{  
    color:#83F831  
}
```

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 #83F831 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83F831
}
```

## Border

The CSS property to change the border of an element to Hex 83F831 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
#83F831 }
```

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

```
.border{ border-color:#83F831 }
```

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

Here you see how a box with a 4 pixel #83F831 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83F831; -webkit-box-shadow:4px 4px  
4px 4px #83F831; box-shadow:4px 4px 4px  
4px #83F831 }
```

# Background

The CSS property to change the background color of an element to Hex 83F831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83F831 }
```

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

```
.background{ background-color:#83F831 }
```

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