

# Converting Colors

Hex(83FD00)

Have a look what the booklet for  
Hex(83FD00) contains.

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**Color**

**Hex(83FD00)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83FD00
RGB	131, 253, 0
RGB Percent	51%, 99%, 0%
CMY	0.4863, 0.0078, 1.0000
CMYK	0.48, 0.00, 1.00, 0.01
HSL	89°, 100%, 50%
HSV	89°, 100%, 99%
XYZ	44.4854, 75.0759, 12.1465
YIQ	187.6800, 8.5010, -104.5470

# Conversions

## Conversions Part 2

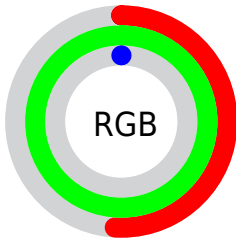
Format	Color
<a href="#">RYB</a>	0, 253, 122
Decimal	8649984
CIELab	89.43, -66.23, 85.50
CIELCh	89, 108.145, 127.762
Yxy	75.0759, 0.3378, 0.5700
Android (android.graphics.Color)	4286840064 (0xFF83FD00)
YUV	187.6800, -92.5262, -49.7084
Hunter-Lab	86.6463, -59.9868, 52.3409

# Details

The Hex color **83FD00** is a dark color, and the websafe version is hex **99FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **7A00FD**, and the grayscale version is **BDBDBD**.

A 20% lighter version of the original color is **C1FF5D**, and **3EC300** is the 20% darker color. If you saturate the color by 10%, you get **83FD00**, and if you desaturate by 10%, it is **8FFD19**.

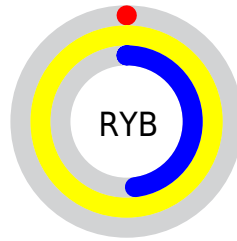
# Distribution



Red (51%)

Green (99%)

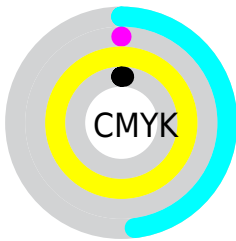
Blue (0%)



Red (0%)

Yellow (99%)

Blue (48%)

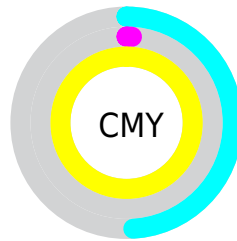


Cyan (48%)

Magenta (0%)

Yellow (100%)

Black (1%)



Cyan (49%)

Magenta (1%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83FD00 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 83FD00 by changing the saturation by 10% instead.



 83FD00

 83FD00

FFFFFF

 62E000


 C1FF5D

 3EC300

 E0FF7C

 00A700

 FFFF9A

 008C00

 FFFFB8

 007200

 FFFFD6

 005800

 FFFFF4

 003F00

 002600

 000000

 83FD00

 8FFD19

 9BFD33

 A8FD4C

 B4FD65

 C0FD7F

 CCFD98

 D8FDB1

 E5FDCA

 F1FDE4

# Harmonies

## Analogous

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



F5E500



83FD00



00FF8D

# Triad

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



83FD00



00FFFF



FF65CA

# Complementary

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



83FD00



7A00FD

# 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.



FF80FF



83FD00



00E5FF

# Square

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



83FD00



00FFFF



FFB7FF



FF8B67

# Rectangle

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



83FD00



00FFD6



FFB7FF



FF66ED

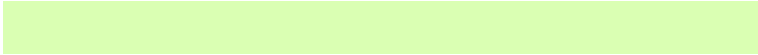


# Sweetspot

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



83FD00



DAFFB3



FD7600



698052



000000



808080



# Same Dimension

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



83FD00



84FF00



08FD00



798073



63BF00



214000



# Inverse Universe

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



7A00FD



7B00FF



F500FD



797380



5C00BF

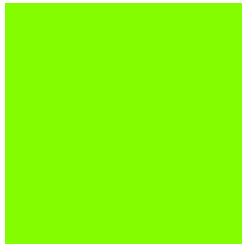


1F0040



# Previews

## White Background



This preview shows how the Hex color 83FD00 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 83FD00 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

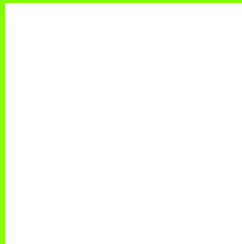
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 83FD00 Background



This preview shows how black text looks on a background with the Hex color 83FD00.

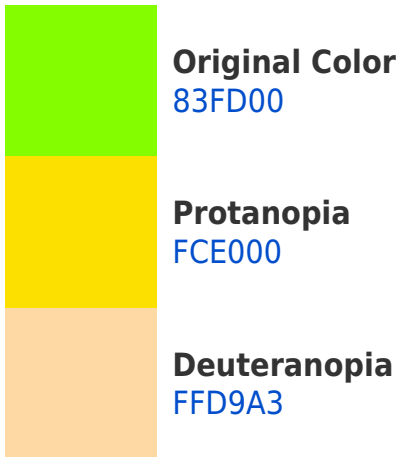


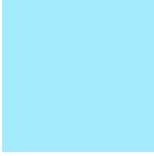
This preview shows how white text looks on a background with the Hex color 83FD00.

# 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](#).

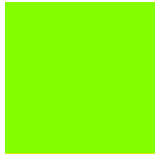
## Dichromacy





**Tritanopia**  
A4EBFE

# Trichromacy



**Original Color**  
83FD00



**Protanomaly**  
D0EB00



**Deuteranomaly**  
D2E668

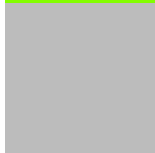


**Tritanomaly**  
98F2A2

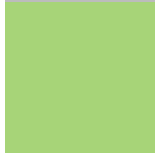
# Monochromacy



**Original Color**  
83FD00



**Achromatopsia**  
BCBCBC



**Achromatomaly**  
A7D478

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83FD00 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 #83FD00 looks like.

```
.text, #text, p{  
    color:#83FD00  
}
```

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 #83FD00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83FD00
}
```

## Border

The CSS property to change the border of an element to Hex 83FD00 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
#83FD00 }
```

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

```
.border{ border-color:#83FD00 }
```

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

Here you see how a box with a 4 pixel #83FD00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83FD00; -webkit-box-shadow:4px 4px  
4px 4px #83FD00; box-shadow:4px 4px 4px  
4px #83FD00 }
```

# Background

The CSS property to change the background color of an element to Hex 83FD00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83FD00 }
```

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

```
.background{ background-color:#83FD00 }
```

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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