

# Converting Colors

Hex(83E601)

Have a look what the booklet for  
Hex(83E601) contains.

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**Color**

**Hex(83E601)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 83E601                      |
| RGB         | 131, 230, 1                 |
| RGB Percent | 51%, 90%, 0%                |
| CMY         | 0.4863, 0.0980, 0.9961      |
| CMYK        | 0.43, 0.00, 1.00, 0.10      |
| HSL         | 86°, 99%, 45%               |
| HSV         | 86°, 100%, 90%              |
| XYZ         | 37.6624, 61.4211, 9.8992    |
| YIQ         | 174.2930, 14.5050, -92.2070 |

# Conversions

## Conversions Part 2

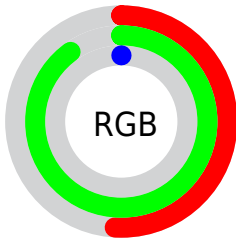
| Format                              | Color                           |
|-------------------------------------|---------------------------------|
| <b>R<sub>YB</sub></b>               | 1, 230, 100                     |
| Decimal                             | 8644097                         |
| CIE Lab                             | 82.60, -57.77, 80.08            |
| CIE LCh                             | 83, 98.741, 125.809             |
| Yxy                                 | 61.4211, 0.3456,<br>0.5636      |
| Android<br>(android.graphics.Color) | 4286834177<br>(0xFF83E601)      |
| YUV                                 | 174.2930, -85.4334,<br>-37.9680 |
| Hunter-Lab                          | 78.3716, -51.3702,<br>47.3712   |

# Details

The Hex color **83E601** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **6401E6**, and the grayscale version is **AFAF AF**.

A 20% lighter version of the original color is **BFFF58**, and **44AE00** is the 20% darker color. If you saturate the color by 10%, you get **83E600**, and if you desaturate by 10%, it is **8DE618**.

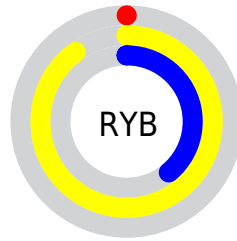
# Distribution



Red (51%)

Green (90%)

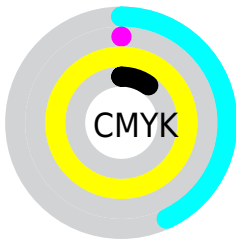
Blue (0%)



Red (0%)

Yellow (90%)

Blue (39%)

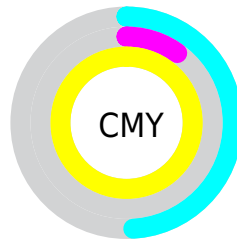


Cyan (43%)

Magenta (0%)

Yellow (100%)

Black (10%)



Cyan (49%)

Magenta (10%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83E601 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 83E601 by changing the saturation by 10% instead.



 83E601

 83E601

FFFFFF

 64C900

 BFFF58

 44AE00

 DEFF76

 1A9200

 FDFF94

 007800

 FFFFB1

 005E00

 FFFFCF

 004500

 FFFFED

 002F00

 001100

 000000

 83E601

 83E601

 83E600

 8DE618

 97E62F

 A1E646

 ABE65D

 B5E674

 BFE68B

 C9E6A2

 D3E6B9

 DCE6D0

# Harmonies

## Analogous

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



E6D000



83E601



00F27D

# Triad

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



83E601



00EBFF



FF61C0

# Complementary

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



83E601



6401E6

# 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.



FF7BFF



83E601



00D3FF

# Square

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



83E601



00F5FF



E3ACFF



FF7F66

# Rectangle

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



83E601



00F6BD



E3ACFF



FF64DF

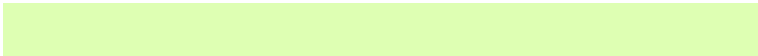


# Sweetspot

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



83E601



DEFFB3



E66001



6C8052



000000



808080



# Same Dimension

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



83E601



91FF00



14E601



6E7367



65B300



1D3300



# Inverse Universe

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



6401E6



6E00FF



D301E6



6C6773



4D00B3

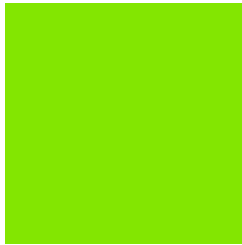


160033



# Previews

## White Background



This preview shows how the Hex color 83E601 looks on a white background.

## Color Contrast Check

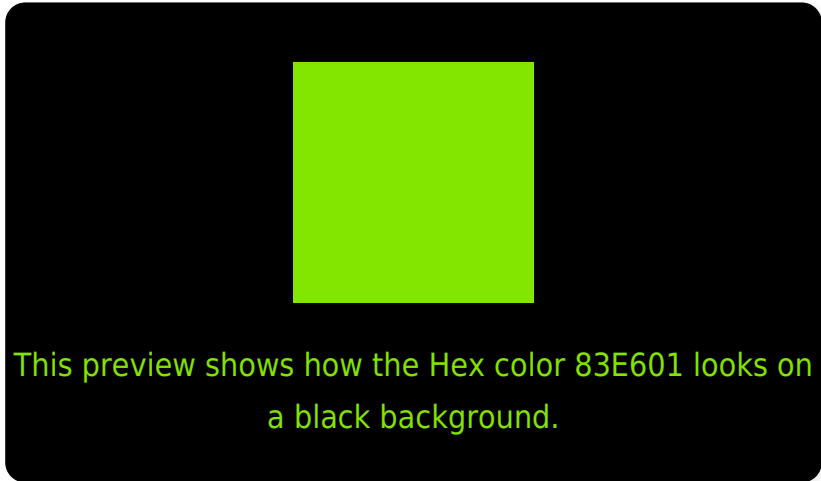
Large Text (above 18pt) WCAG AA × Fail

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

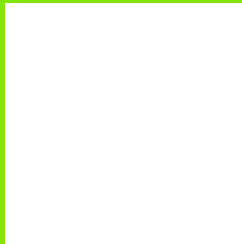
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 83E601 Background



This preview shows how black text looks on a background with the Hex color 83E601.



This preview shows how white text looks on a background with the Hex color 83E601.

# 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](#).

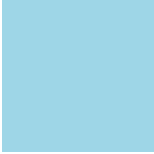
## Dichromacy



**Original Color**  
83E601

**Protanopia**  
E7CD00

**Deuteranopia**  
FFC242



**Tritanopia**  
9ED6E7

# Trichromacy



**Original Color**  
83E601



**Protanomaly**  
C3D600



**Deuteranomaly**  
D2CF2A

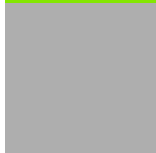


**Tritanomaly**  
94DC93

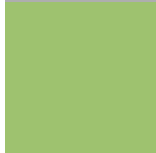
# Monochromacy



**Original Color**  
83E601



**Achromatopsia**  
AEAEAE



**Achromatomaly**  
9EC26F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83E601 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 #83E601 looks like.

```
.text, #text, p{  
    color:#83E601  
}
```

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 #83E601 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83E601
}
```

## Border

The CSS property to change the border of an element to Hex 83E601 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
#83E601 }
```

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

```
.border{ border-color:#83E601 }
```

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

Here you see how a box with a 4 pixel #83E601 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83E601; -webkit-box-shadow:4px 4px  
4px 4px #83E601; box-shadow:4px 4px 4px  
4px #83E601 }
```

# Background

The CSS property to change the background color of an element to Hex 83E601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83E601 }
```

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

```
.background{ background-color:#83E601 }
```

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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