

# Converting Colors

Hex(87ED00)

Have a look what the booklet for  
Hex(87ED00) contains.

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**Color**

**Hex(87ED00)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87ED00
RGB	135, 237, 0
RGB Percent	53%, 93%, 0%
CMY	0.4706, 0.0706, 1.0000
CMYK	0.43, 0.00, 1.00, 0.07
HSL	86°, 100%, 46%
HSV	86°, 100%, 93%
XYZ	40.2759, 65.7193, 10.5623
YIQ	179.4840, 15.2850, -95.3310

# Conversions

## Conversions Part 2

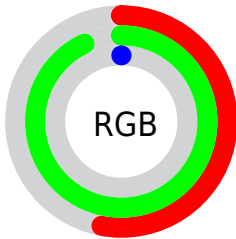
Format	Color
<a href="#">RYB</a>	<a href="#">0, 237, 102</a>
Decimal	<a href="#">8908032</a>
CIELab	<a href="#">84.85, -59.16, 81.99</a>
CIELCh	<a href="#">85, 101.103, 125.812</a>
Yxy	<a href="#">65.7193, 0.3455, 0.5638</a>
Android (android.graphics.Color)	<a href="#">4287098112 (0xFF87ED00)</a>
YUV	<a href="#">179.4840, -88.4856, -39.0125</a>
Hunter-Lab	<a href="#">81.0674, -53.1857, 49.0223</a>

# Details

The Hex color **87ED00** 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 **6600ED**, and the grayscale version is **B4B4B4**.

A 20% lighter version of the original color is **C4FF5A**, and **47B400** is the 20% darker color. If you saturate the color by 10%, you get **87ED00**, and if you desaturate by 10%, it is **91ED18**.

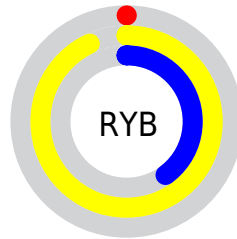
# Distribution



Red (53%)

Green (93%)

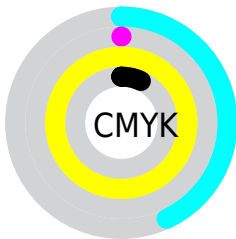
Blue (0%)



Red (0%)

Yellow (93%)

Blue (40%)

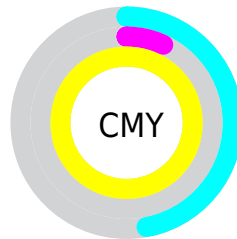


Cyan (43%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (47%)

Magenta (7%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87ED00 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 87ED00 by changing the saturation by 10% instead.



 87ED00

 87ED00

FFFFFF

 68D000

 C4FF5A

 47B400

 E2FF78

 1E9900

 FFFF96

 007E00

 FFFFB3

 006400

 FFFFD1

 004B00

 FFFFEE

 003400

 001A00

 000000

 87ED00

 91ED18

 9BED2F

 A6ED47

 B0ED5F

 BAED76

 C4ED8E

 CEEDA6

 D9EDBE

 E3EDD5

# Harmonies

## Analogous

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



EDD600



87ED00



00F980

# Triad

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



87ED00



00F2FF



FF64C5

# Complementary

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



87ED00



6600ED

# 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.



FF7FFF



87ED00



00DAFF

# Square

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



87ED00



00DFFF



EAB1FF



FF8269

# Rectangle

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



87ED00



00FDC3



EAB1FF



FF67E6

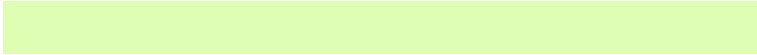


# Sweetspot

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



87ED00



DEFFB3



ED6300



6C8052



000000



808080



# Same Dimension

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



87ED00



91FF00



14ED00



70756A



67B500



1F3600



# Inverse Universe

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



6600ED



6E00FF



D900ED



6F6A75



4E00B5

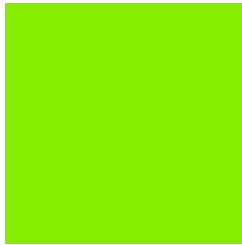


170036



# Previews

## White Background



This preview shows how the Hex color 87ED00 looks on a white background.

## Color Contrast Check

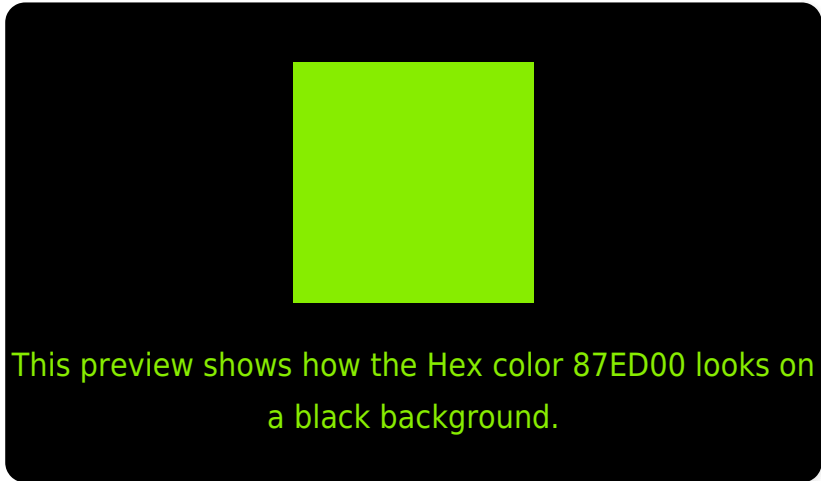
Large Text (above 18pt) WCAG AA × Fail

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

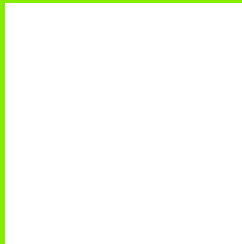
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 87ED00 Background



This preview shows how black text looks on a background with the Hex color 87ED00.

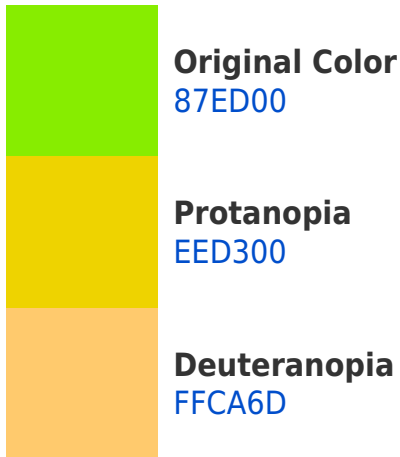


This preview shows how white text looks on a background with the Hex color 87ED00.

# Color Blindness Simulation

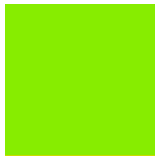
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





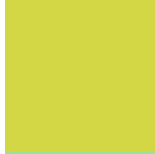
# Trichromacy



**Original Color**  
87ED00



**Protanomaly**  
C9DC00



**Deuteranomaly**  
D3D745

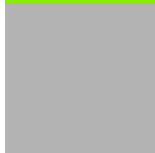


**Tritanomaly**  
99E297

# Monochromacy



**Original Color**  
87ED00



**Achromatopsia**  
B3B3B3



**Achromatomaly**  
A3C872

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87ED00 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 #87ED00 looks like.

```
.text, #text, p{  
    color:#87ED00  
}
```

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 #87ED00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87ED00
}
```

## Border

The CSS property to change the border of an element to Hex 87ED00 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
#87ED00 }
```

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

```
.border{ border-color:#87ED00 }
```

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

Here you see how a box with a 4 pixel #87ED00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87ED00; -webkit-box-shadow:4px 4px  
4px 4px #87ED00; box-shadow:4px 4px 4px  
4px #87ED00 }
```

# Background

The CSS property to change the background color of an element to Hex 87ED00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87ED00 }
```

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

```
.background{ background-color:#87ED00 }
```

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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