

Converting Colors

Hex(87FF0F)

Have a look what the booklet for
Hex(87FF0F) contains.

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Color

Hex(87FF0F)

Conversions

Conversions Part 1

Format	Color
Hex	87FF0F
RGB	135, 255, 15
RGB Percent	53%, 100%, 6%
CMY	0.4706, 0.0000, 0.9412
CMYK	0.47, 0.00, 0.94, 0.00
HSL	90°, 100%, 53%
HSV	90°, 94%, 100%
XYZ	45.8379, 76.7054, 12.8417
YIQ	191.7600, 5.5200, -100.0800

Conversions

Conversions Part 2

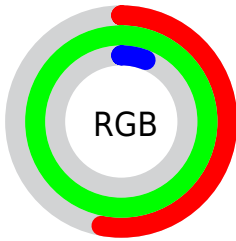
Format	Color
RYB	15, 255, 135
Decimal	8912655
CIELab	90.19, -65.60, 85.00
CIELCh	90, 107.366, 127.658
Yxy	76.7054, 0.3386, 0.5666
Android (android.graphics.Color)	4287102735 (0xFF87FF0F)
YUV	191.7600, -87.1427, -49.7785
Hunter-Lab	87.5816, -59.8456, 52.6137

Details

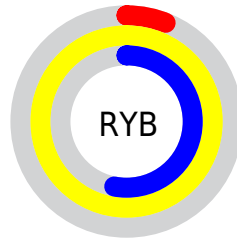
The Hex color **87FF0F** is a dark color, and the websafe version is hex **99FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **870FFF**, and the grayscale version is **C1C1C1**.

A 20% lighter version of the original color is **C5FF61**, and **44C500** is the 20% darker color. If you saturate the color by 10%, you get **80FF00**, and if you desaturate by 10%, it is **94FF29**.

Distribution



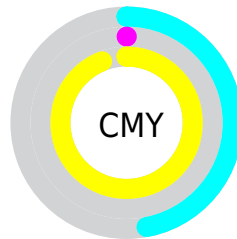
- Red (53%)
- Green (100%)
- Blue (6%)



- Red (6%)
- Yellow (100%)
- Blue (53%)



- Cyan (47%)
- Magenta (0%)
- Yellow (94%)
- Black (0%)



- Cyan (47%)
- Magenta (0%)
- Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Hex color 87FF0F 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 87FF0F by changing the saturation by 10% instead.

 87FF0F

 87FF0F

FFFFFF

 67E200

 C5FF61

 44C500

 E4FF7F

 0FA900

 FFFF9D

 008E00

 FFFFBB

 007300

 FFFFD9

 005900

 FFFFF7

 004000

 002800

 000100

 87FF0F

 87FF0F

 80FF00

 94FF29

 A1FF42

 ADF55C

 BAFF75

 C7FF8F

 D4FFA8

 E0FFC2

 EDF5DB

 FAFF55

Harmonies

Analogous

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



F8E700



87FF0F



00FF90

Triad

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



87FF0F



00FFFF



FF6ACD

Complementary

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



87FF0F



870FFF

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.



FF84FF



87FF0F



00E7FF

Square

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



87FF0F



00FFFF



FFBAFF



FF8E6A

Rectangle

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



87FF0F



00FFD7



FFBAFF



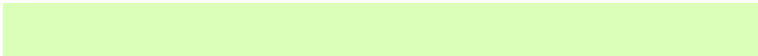
FF6BF0

Sweetspot

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



87FF0F



DBFFB8



FF870F



6A8054



000000



808080

Same Dimension

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



87FF0F



80FF00



0FFF0F



798073



60BF00



204000

Inverse Universe

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



870FFF



8000FF



FF0FFF



797380



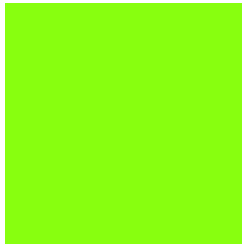
6000BF



200040

Previews

White Background



This preview shows how the Hex color 87FF0F looks on a white background.

Color Contrast Check

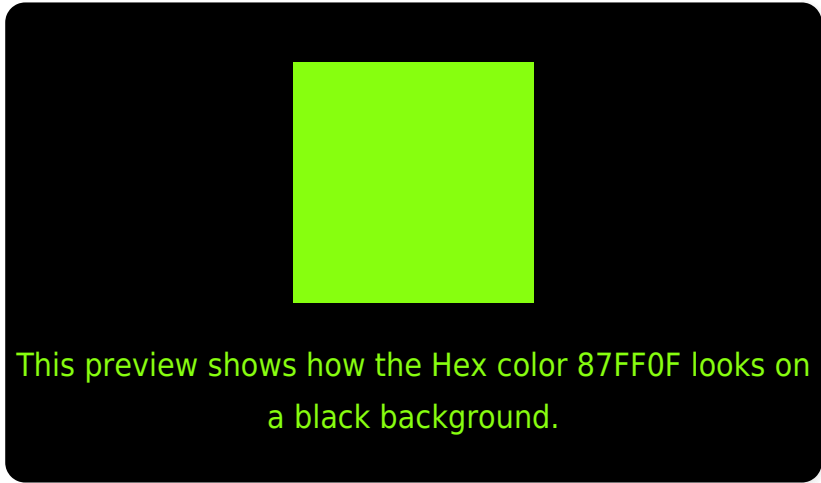
Large Text (above 18pt) WCAG AA × Fail

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 87FF0F Background



This preview shows how black text looks on a background with the Hex color 87FF0F.



This preview shows how white text looks on a background with the Hex color 87FF0F.

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](#).

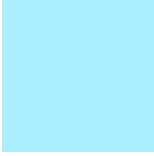
Dichromacy



Original Color
87FF0F

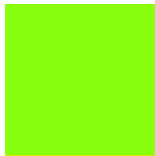
Protanopia
FEE200

Deuteranopia
FFDCAB



Tritanopia
AAEDFF

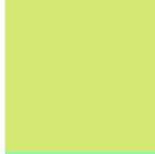
Trichromacy



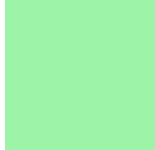
Original Color
87FF0F



Protanomaly
D3ED05

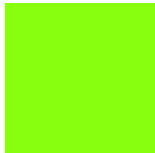


Deuteranomaly
D3E972

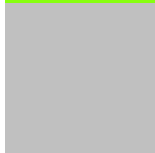


Tritanomaly
9DF4A8

Monochromacy



Original Color
87FF0F



Achromatopsia
C0C0C0



Achromatomaly
ABD780

CSS Examples

Text

The CSS property to change the color of the text to Hex 87FF0F 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 #87FF0F looks like.

```
.text, #text, p{  
    color:#87FF0F  
}
```

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 #87FF0F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87FF0F
}
```

Border

The CSS property to change the border of an element to Hex 87FF0F 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
#87FF0F }
```

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

```
.border{ border-color:#87FF0F }
```

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

Here you see how a box with a 4 pixel #87FF0F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87FF0F; -webkit-box-shadow:4px 4px  
4px 4px #87FF0F; box-shadow:4px 4px 4px  
4px #87FF0F }
```

Background

The CSS property to change the background color of an element to Hex 87FF0F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87FF0F }
```

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

```
.background{ background-color:#87FF0F }
```

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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