

# Converting Colors

Hex(8EFF42)

Have a look what the booklet for  
Hex(8EFF42) contains.

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**Color**

**Hex(8EFF42)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8EFF42
RGB	142, 255, 66
RGB Percent	56%, 100%, 26%
CMY	0.4431, 0.0000, 0.7412
CMYK	0.44, 0.00, 0.74, 0.00
HSL	96°, 100%, 63%
HSV	96°, 74%, 100%
XYZ	47.8987, 77.6641, 17.6204
YIQ	199.6670, -6.6790, -82.7350

# Conversions

## Conversions Part 2

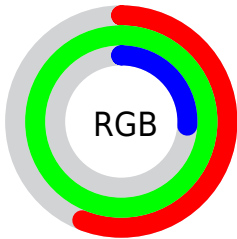
<b>Format</b>	<b>Color</b>
<b>RYB</b>	66, 255, 179
Decimal	9371458
CIELab	90.63, -61.70, 74.85
CIELCh	91, 97.005, 129.501
Yxy	77.6641, 0.3345, 0.5424
Android (android.graphics.Color)	4287561538 (0xFF8EFF42)
YUV	199.6670, -65.8978, -50.5740
Hunter-Lab	88.1273, -57.2048, 49.8345

# Details

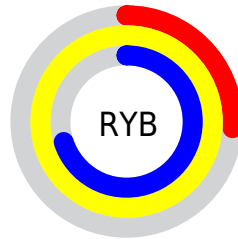
The Hex color **8EFF42** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **B342FF**, and the grayscale version is **C8C8C8**.

A 20% lighter version of the original color is **CBFF7E**, and **4FC500** is the 20% darker color. If you saturate the color by 10%, you get **7FFF28**, and if you desaturate by 10%, it is **9DFF5B**.

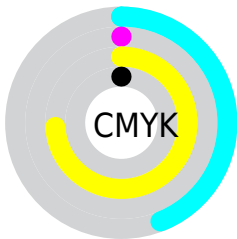
# Distribution



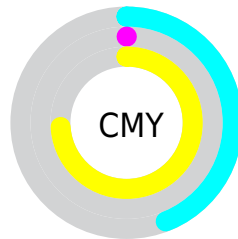
- Red (56%)
- Green (100%)
- Blue (26%)



- Red (26%)
- Yellow (100%)
- Blue (70%)



- Cyan (44%)
- Magenta (0%)
- Yellow (74%)
- Black (0%)



- Cyan (44%)
- Magenta (0%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 8EFF42 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 8EFF42 by changing the saturation by 10% instead.



 8EFF42

 8EFF42

FFFFFF

 6FE21D

 CBFF7E

 4FC500

 E9FF9B

 28A900

 FFFFB8

 008E00

 FFFF D5

 007400

 FFFFF3

 005A00

 004100

 002A00

 000400

 8EFF42

 8EFF42

 7FFF28

 9DFF5B

 70FF0F

 ACFF75

 67FF00

 BCFF8F

 CBFFA8

 DAFFC2

 E9FFDB

 F9FFF4

FFFFFF

# Harmonies

## Analogous

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



F5E900



8EFF42



00FF9F

# Triad

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



8EFF42



00FFFF



FF82CB

# Complementary

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



8EFF42



B342FF

# 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.



FF92FF



8EFF42



00E6FF

# Square

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



8EFF42



00FFFF



FFBDFD



FF9E72

# Rectangle

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



8EFF42



00FFE0



FFBDFD



FF82EA

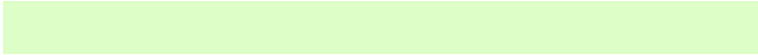


# Sweetspot

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



8EFF42



DFFFC7



FFB042



6C805E



000000



808080



# Same Dimension

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



8EFF42



77FF1C



42FF52



788073



4DBF00



1A4000



# Inverse Universe

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



B342FF



A41CFF



FF42EF



7A7380



7200BF

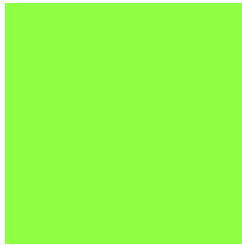


260040



# Previews

## White Background



This preview shows how the Hex color 8EFF42 looks on a white background.

## Color Contrast Check

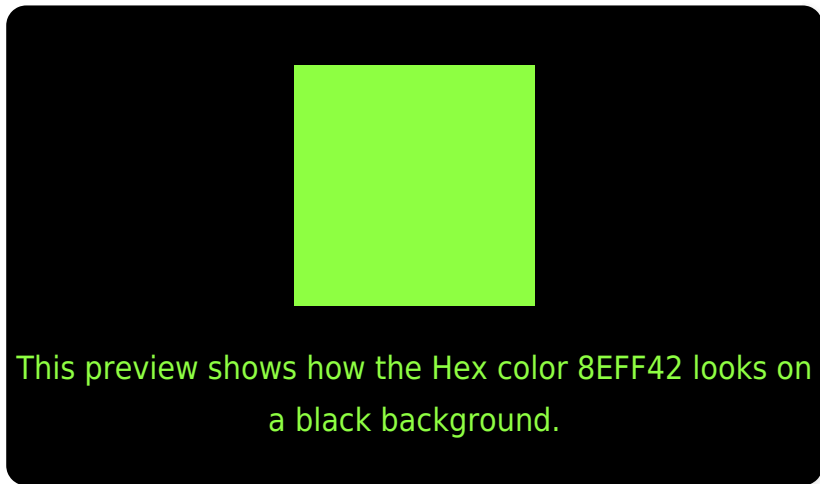
Large Text (above 18pt) WCAG AA × Fail

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

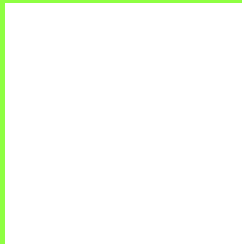
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 8EFF42 Background



This preview shows how black text looks on a background with the Hex color 8EFF42.

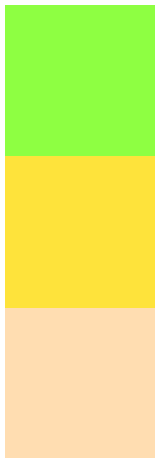


This preview shows how white text looks on a background with the Hex color 8EFF42.

# 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](#).

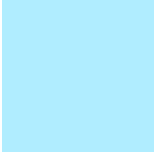
## Dichromacy



**Original Color**  
8EFF42

**Protanopia**  
FEE33B

**Deuteranopia**  
FFDDB1



**Tritanopia**  
B0EDFF

# Trichromacy



**Original Color**  
8EFF42



**Protanomaly**  
D5ED3E

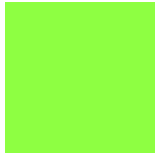


**Deuteranomaly**  
D6E989

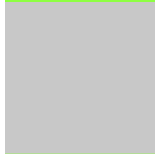


**Tritanomaly**  
A4F4BA

# Monochromacy



**Original Color**  
8EFF42



**Achromatopsia**  
C8C8C8



**Achromatomaly**  
B3DC97

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 8EFF42 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 #8EFF42 looks like.

```
.text, #text, p{  
    color:#8EFF42  
}
```

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 #8EFF42 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #8EFF42
}
```

## Border

The CSS property to change the border of an element to Hex 8EFF42 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
#8EFF42 }
```

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

```
.border{ border-color:#8EFF42 }
```

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

Here you see how a box with a 4 pixel #8EFF42 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #8EFF42; -webkit-box-shadow:4px 4px  
4px 4px #8EFF42; box-shadow:4px 4px 4px  
4px #8EFF42 }
```

# Background

The CSS property to change the background color of an element to Hex 8EFF42 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#8EFF42 }
```

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

```
.background{ background-color:#8EFF42 }
```

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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