

Converting Colors

Hex(87EF52)

Have a look what the booklet for
Hex(87EF52) contains.

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Color

Hex(87EF52)

Conversions

Conversions Part 1

Format	Color
Hex	87EF52
RGB	135, 239, 82
RGB Percent	53%, 94%, 32%
CMY	0.4706, 0.0627, 0.6784
CMYK	0.44, 0.00, 0.66, 0.06
HSL	100°, 83%, 63%
HSV	100°, 66%, 94%
XYZ	42.3812, 67.4931, 18.7764
YIQ	190.0060, -11.5870, -70.8750

Conversions

Conversions Part 2

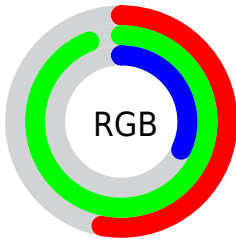
Format	Color
RYB	82, 239, 186
Decimal	8908626
CIELab	85.75, -56.60, 64.11
CIElCh	86, 85.523, 131.439
Yxy	67.4931, 0.3294, 0.5246
Android (android.graphics.Color)	4287098706 (0xFF87EF52)
YUV	190.0060, -53.2470, -48.2403
Hunter-Lab	82.1542, -51.6864, 43.9572

Details

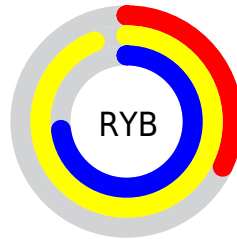
The Hex color **87EF52** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **BA52EF**, and the grayscale version is **BFBFBF**.

A 20% lighter version of the original color is **C2FF8A**, and **4AB60F** is the 20% darker color. If you saturate the color by 10%, you get **77EF3A**, and if you desaturate by 10%, it is **97EF6A**.

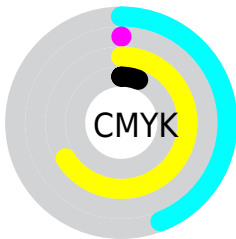
Distribution



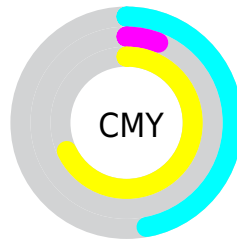
- Red (53%)
- Green (94%)
- Blue (32%)



- Red (32%)
- Yellow (94%)
- Blue (73%)



- Cyan (44%)
- Magenta (0%)
- Yellow (66%)
- Black (6%)



- Cyan (47%)
- Magenta (6%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Hex color 87EF52 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 87EF52 by changing the saturation by 10% instead.

 87EF52

 87EF52

FFFFFF

 69D235

 C2FF8A

 4AB60F

 E0FFA6

 269B00

 FFFFC3

 008000

 FFFFEO

 006600

FFFFFFD

 004D00

 003500

 001C00

 000000

 87EF52

 87EF52

 77EF3A

 97EF6A

 67EF22

 A7EF82

 58EF0A

 B6EF9A

 51EF00

 C6EFB2

 D6EFCA

 E6EFE1

 F6EFF9

 FFEFFF

Harmonies

Analogous

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



E2DC0F



87EF52



00F9A0

Triad

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



87EF52



00EDFF



FF86BB

Complementary

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



87EF52



BA52EF

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.



FF90FF



87EF52



5DD5FF

Square

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



87EF52



00F9FF



FFB3FF



FF9E6F

Rectangle

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



87EF52



00FCD8



FFB3FF



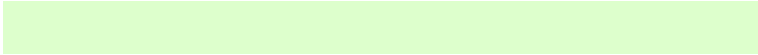
FF85D6

Sweetspot

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



87EF52



DFFFC



EFB852



6B8061



000000



808080

Same Dimension

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



87EF52



7AFF36



52EF6A



70786C



3EB800



133800

Inverse Universe

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



BA52EF



BB36FF



EF52D7



746C78



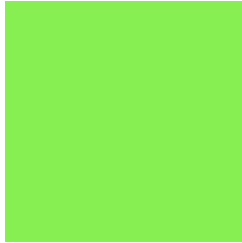
7A00B8



250038

Previews

White Background



This preview shows how the Hex color 87EF52 looks on a white background.

Color Contrast Check

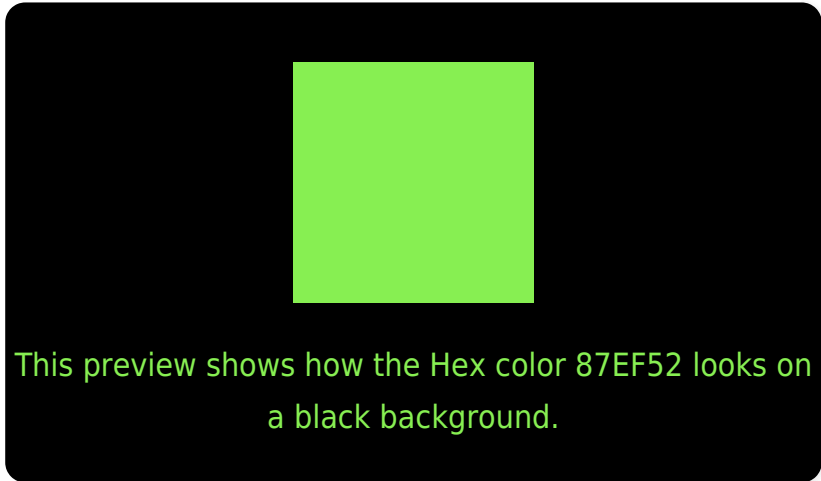
Large Text (above 18pt) WCAG AA × Fail

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

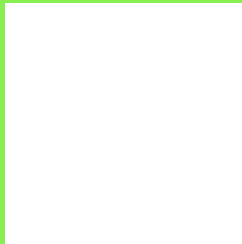
Any Text WCAG AAA ✓ Pass

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

Hex 87EF52 Background



This preview shows how black text looks on a background with the Hex color 87EF52.

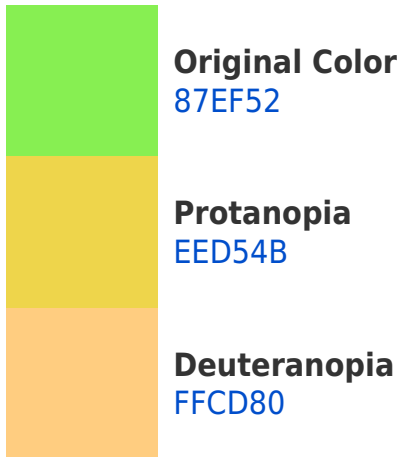


This preview shows how white text looks on a background with the Hex color 87EF52.

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



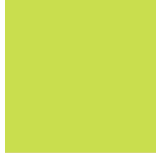


Tritanopia
A1E0F1

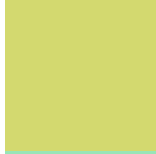
Trichromacy



Original Color
87EF52



Protanomaly
C9DE4E



Deuteranomaly
D3D96F

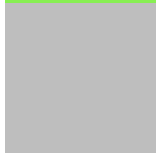


Tritanomaly
98E5B7

Monochromacy



Original Color
87EF52



Achromatopsia
BEBEBE



Achromatomaly
AAD097

CSS Examples

Text

The CSS property to change the color of the text to Hex 87EF52 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 #87EF52 looks like.

```
.text, #text, p{  
    color:#87EF52  
}
```

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 #87EF52 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87EF52
}
```

Border

The CSS property to change the border of an element to Hex 87EF52 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
#87EF52 }
```

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

```
.border{ border-color:#87EF52 }
```

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

Here you see how a box with a 4 pixel #87EF52 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87EF52; -webkit-box-shadow:4px 4px  
4px 4px #87EF52; box-shadow:4px 4px 4px  
4px #87EF52 }
```

Background

The CSS property to change the background color of an element to Hex 87EF52 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87EF52 }
```

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

```
.background{ background-color:#87EF52 }
```

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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