

# Converting Colors

Hex(87F552)

Have a look what the booklet for  
Hex(87F552) contains.

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**Color**

**Hex(87F552)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87F552
RGB	135, 245, 82
RGB Percent	53%, 96%, 32%
CMY	0.4706, 0.0392, 0.6784
CMYK	0.45, 0.00, 0.67, 0.04
HSL	100°, 89%, 64%
HSV	100°, 67%, 96%
XYZ	44.1671, 71.0649, 19.3717
YIQ	193.5280, -13.2370, -74.0130

# Conversions

## Conversions Part 2

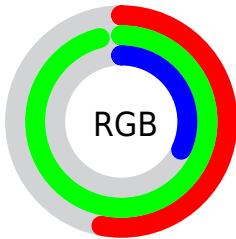
<b>Format</b>	<b>Color</b>
<b>RYB</b>	82, 245, 192
Decimal	8910162
CIELab	87.52, -58.91, 65.99
CIElCh	88, 88.462, 131.757
Yxy	71.0649, 0.3281, 0.5280
Android (android.graphics.Color)	4287100242 (0xFF87F552)
YUV	193.5280, -54.9833, -51.3291
Hunter-Lab	84.3000, -54.0040, 45.3855

# Details

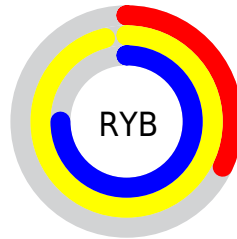
The Hex color **87F552** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **C052F5**, and the grayscale version is **C2C2C2**.

A 20% lighter version of the original color is **C3FF8A**, and **49BC0C** is the 20% darker color. If you saturate the color by 10%, you get **76F53A**, and if you desaturate by 10%, it is **98F56B**.

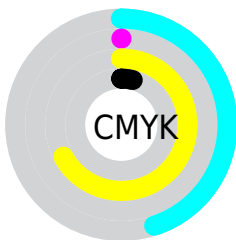
# Distribution



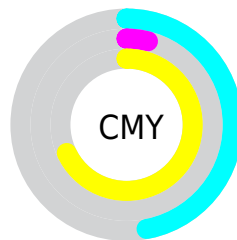
- Red (53%)
- Green (96%)
- Blue (32%)



- Red (32%)
- Yellow (96%)
- Blue (75%)



- Cyan (45%)
- Magenta (0%)
- Yellow (67%)
- Black (4%)



- Cyan (47%)
- Magenta (4%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87F552 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 87F552 by changing the saturation by 10% instead.



 87F552

 87F552

FFFFFF

 69D834


 C3FF8A

 49BC0C

 E1FFA7

 23A000

 FFFFC3

 008500

 FFFFEO

 006B00

FFFFFFE

 005200

 003900

 002200

 000000

 87F552

 87F552

 76F53A

 98F56B

 66F521

 A8F583

 55F509

 B9F59C

 50F500

 C9F5B4

 DAF5CD

 EAF5E5

 FBF5FE

 FFF5FF

# Harmonies

## Analogous

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



E6E200



87F552



00FFA3

# Triad

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



87F552



00F3FF



FF87BE

# Complementary

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



87F552



C052F5

# 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.



FF91FF



87F552



5DDAFF

# Square

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



87F552



00FFFF



FFB6FF



FFA06F

# Rectangle

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



87F552



00FFDE



FFB6FF



FF86DA

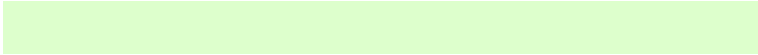


# Sweetspot

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



87F552



DFFCC



F5BF52



6B8061



000000



808080



# Same Dimension

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



87F552



75FF33



52F56D



727A6E



3DBA00



133B00



# Inverse Universe

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



C052F5



BD33FF



F552DA



766E7A



7E00BA

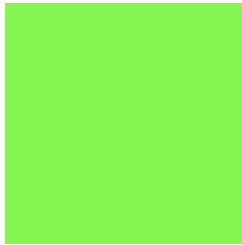


28003B



# Previews

## White Background



This preview shows how the Hex color 87F552 looks on a white background.

## Color Contrast Check

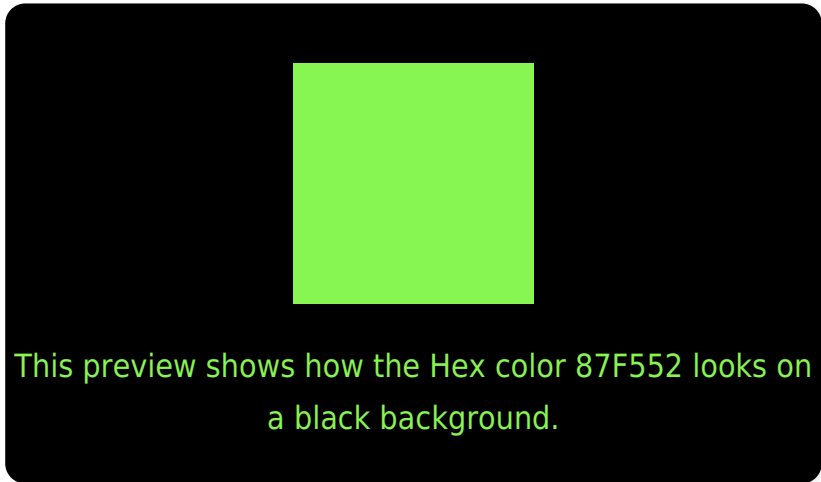
Large Text (above 18pt) WCAG AA × Fail

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

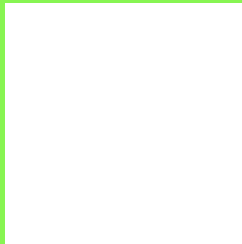
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 87F552 Background



This preview shows how black text looks on a background with the Hex color 87F552.

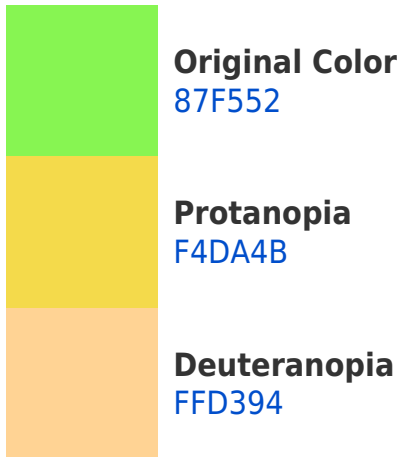


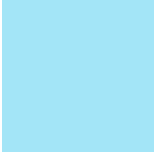
This preview shows how white text looks on a background with the Hex color 87F552.

# 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



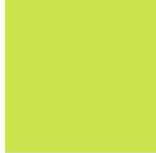


**Tritanopia**  
A3E5F7

# Trichromacy



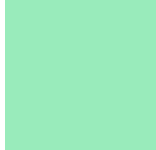
**Original Color**  
87F552



**Protanomaly**  
CCE44E



**Deuteranomaly**  
D3DF7C

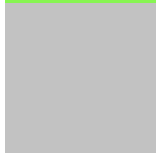


**Tritanomaly**  
99EBBB

# Monochromacy



**Original Color**  
87F552



**Achromatopsia**  
C2C2C2



**Achromatomaly**  
ADD599

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87F552 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 #87F552 looks like.

```
.text, #text, p{  
    color:#87F552  
}
```

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 #87F552 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87F552
}
```

## Border

The CSS property to change the border of an element to Hex 87F552 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
#87F552 }
```

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

```
.border{ border-color:#87F552 }
```

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

Here you see how a box with a 4 pixel #87F552 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87F552; -webkit-box-shadow:4px 4px  
4px 4px #87F552; box-shadow:4px 4px 4px  
4px #87F552 }
```

# Background

The CSS property to change the background color of an element to Hex 87F552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87F552 }
```

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

```
.background{ background-color:#87F552 }
```

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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