

# Converting Colors

Hex(82EC57)

Have a look what the booklet for  
Hex(82EC57) contains.

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# Color

**Hex(82EC57)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82EC57
RGB	130, 236, 87
RGB Percent	51%, 93%, 34%
CMY	0.4902, 0.0745, 0.6588
CMYK	0.45, 0.00, 0.63, 0.07
HSL	103°, 80%, 63%
HSV	103°, 63%, 93%
XYZ	40.9217, 65.4249, 19.4883
YIQ	187.3200, -15.3470, -68.8110

# Conversions

## Conversions Part 2

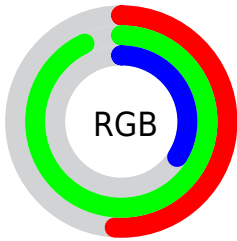
Format	Color
<a href="#">RYB</a>	<a href="#">87, 236, 193</a>
Decimal	<a href="#">8580183</a>
CIELab	<a href="#">84.70, -56.51, 60.91</a>
CIElCh	<a href="#">85, 83.089, 132.853</a>
Yxy	<a href="#">65.4249, 0.3252, 0.5199</a>
Android (android.graphics.Color)	<a href="#">4286770263 (0xFF82EC57)</a>
YUV	<a href="#">187.3200, -49.4578, -50.2696</a>
Hunter-Lab	<a href="#">80.8856, -51.2431, 42.3348</a>

# Details

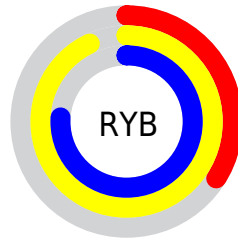
The Hex color **82EC57** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **C157EC**, and the grayscale version is **BCBCBC**.

A 20% lighter version of the original color is **BDFF8E**, and **45B31B** is the 20% darker color. If you saturate the color by 10%, you get **71EC3F**, and if you desaturate by 10%, it is **93EC6F**.

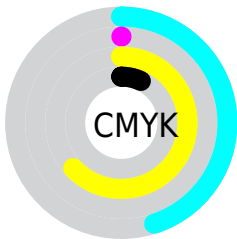
# Distribution



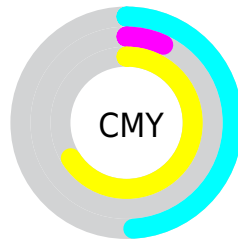
- Red (51%)
- Green (93%)
- Blue (34%)



- Red (34%)
- Yellow (93%)
- Blue (76%)



- Cyan (45%)
- Magenta (0%)
- Yellow (63%)
- Black (7%)



- Cyan (49%)
- Magenta (7%)
- Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 82EC57 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 82EC57 by changing the saturation by 10% instead.



 82EC57

 82EC57

FFFFFF

 64CF3B

 BDFF8E

 45B31B

 DBFFAA

 1F9800

 F9FFC7

 007D00

 FFFFE4

 006300

 004A00

 003300

 001900

 000000

 82EC57

 82EC57

 71EC3F

 93EC6F

 60EC28

 A4EC86

 50EC10

 B4EC9E

 44EC00

 C5ECB5

 D6ECCD

 E7ECE5

 F8ECFC

 FFECFF

# Harmonies

## Analogous

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



DBDA1B



82EC57



00F5A2

# Triad

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



82EC57



00E9FF



FF87B5

# Complementary

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



82EC57



C157EC

# 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.



FF8FFF



82EC57



6FD1FF

# Square

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



82EC57



00F5FF



FFAFFF



FF9E6C

# Rectangle

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



82EC57



00F8D9



FFAFFF



FF85CF

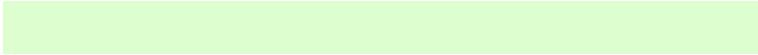


# Sweetspot

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



82EC57



DFFCF



ECBF57



6B8062



000000



808080



# Same Dimension

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



82EC57



75FF3D



57EC75



6D756A



34B500



0F3600



# Inverse Universe

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



C157EC



C73DFF



EC57CE



726A75



8100B5

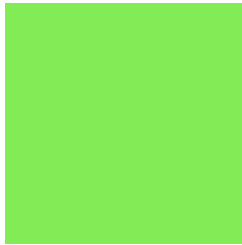


260036



# Previews

## White Background



This preview shows how the Hex color 82EC57 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



This preview shows how the Hex color 82EC57 looks on a 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 82EC57 Background



This preview shows how black text looks on a background with the Hex color 82EC57.

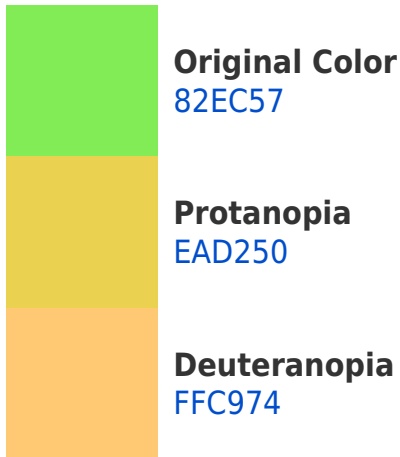


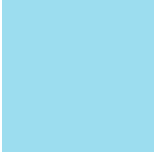
This preview shows how white text looks on a background with the Hex color 82EC57.

# 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](#).

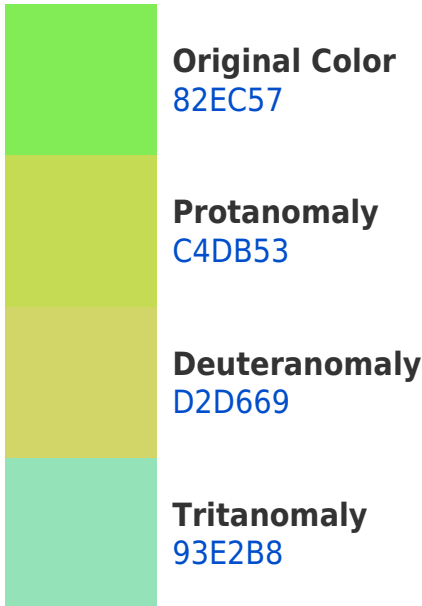
## Dichromacy



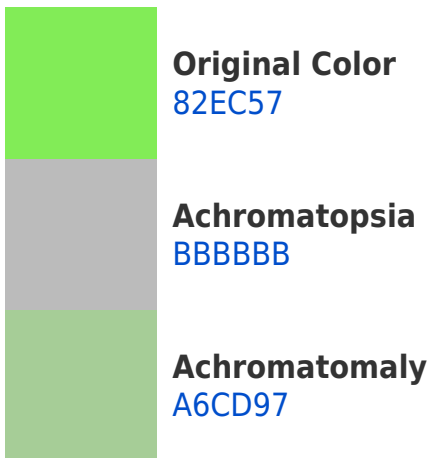


**Tritanopia**  
9CDDEF

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 82EC57 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 #82EC57 looks like.

```
.text, #text, p{  
    color:#82EC57  
}
```

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 #82EC57 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #82EC57
}
```

## Border

The CSS property to change the border of an element to Hex 82EC57 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
#82EC57 }
```

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

```
.border{ border-color:#82EC57 }
```

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

Here you see how a box with a 4 pixel #82EC57 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #82EC57; -webkit-box-shadow:4px 4px  
4px 4px #82EC57; box-shadow:4px 4px 4px  
4px #82EC57 }
```

# Background

The CSS property to change the background color of an element to Hex 82EC57 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#82EC57 }
```

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

```
.background{ background-color:#82EC57 }
```

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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