

# Converting Colors

Hex(87E695)

Have a look what the booklet for  
Hex(87E695) contains.

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# **Color**

**Hex(87E695)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87E695
RGB	135, 230, 149
RGB Percent	53%, 90%, 58%
CMY	0.4706, 0.0980, 0.4157
CMYK	0.41, 0.00, 0.35, 0.10
HSL	129°, 66%, 72%
HSV	129°, 41%, 90%
XYZ	43.7133, 63.9145, 38.4666
YIQ	192.3610, -30.6190, -45.3310

# Conversions

## Conversions Part 2

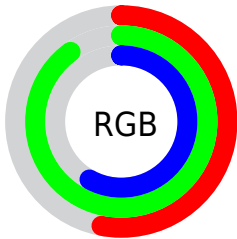
Format	Color
<a href="#">RYB</a>	<a href="#">135, 218, 230</a>
Decimal	<a href="#">8906389</a>
CIELab	<a href="#">83.92, -44.75, 30.89</a>
CIELCh	<a href="#">84, 54.375, 145.380</a>
Yxy	<a href="#">63.9145, 0.2992, 0.4375</a>
Android (android.graphics.Color)	<a href="#">4287096469 (0xFF87E695)</a>
YUV	<a href="#">192.3610, -21.3770, -50.3056</a>
Hunter-Lab	<a href="#">79.9465, -42.3058, 27.4350</a>

# Details

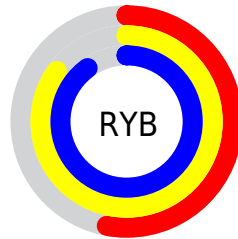
The Hex color **87E695** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **E687D8**, and the grayscale version is **C1C1C1**.

A 20% lighter version of the original color is **C0FFCC**, and **4FAE61** is the 20% darker color. If you saturate the color by 10%, you get **70E681**, and if you desaturate by 10%, it is **9EE6A9**.

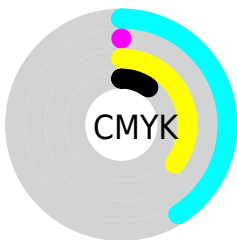
# Distribution



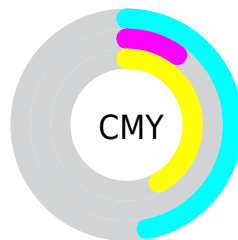
- Red (53%)
- Green (90%)
- Blue (58%)



- Red (53%)
- Yellow (85%)
- Blue (90%)



- Cyan (41%)
- Magenta (0%)
- Yellow (35%)
- Black (10%)



- Cyan (47%)
- Magenta (10%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87E695 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 87E695 by changing the saturation by 10% instead.



 87E695

 87E695

FFFFFF

 6BCA7B

 C0FFCC

 4FAE61

 DDFFE8

 319349

 FAFFFF

 077831

 005F19

 004601

 002F00

 001600

 000000

 87E695

 87E695

 70E681

 9EE6A9

 59E66E

 B5E6BC

 42E65A

 CCE6D0

 2BE647

 E3E6E3

 14E633

 FAE6F7

 00E622

 FFE6FF

# Harmonies

## Analogous

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



C5DB72



87E695



1CEBC7

# Triad

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



87E695



68D9FF



FFAA8

# Complementary

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



87E695



E687D8

# 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.



FFA8DB



87E695



C9C7FF

# Square

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



87E695



00E5FF



FFB4FF



FFB97E

# Rectangle

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



87E695



00ECEB



FFB4FF



FFA8B9

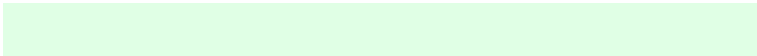


# Sweetspot

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



87E695



E0FFE5



D9E687



6E8070



000000



808080

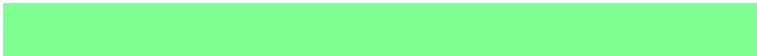


# Same Dimension

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



87E695



80FF92



87E6C3



677369



00B31A



003308



# Inverse Universe

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



E687D8



FF80EC



E687AA



736771



B30098

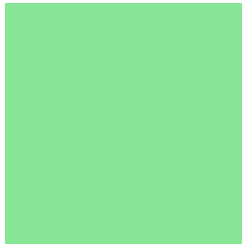


33002B



# Previews

## White Background



This preview shows how the Hex color 87E695 looks on a white background.

## Color Contrast Check

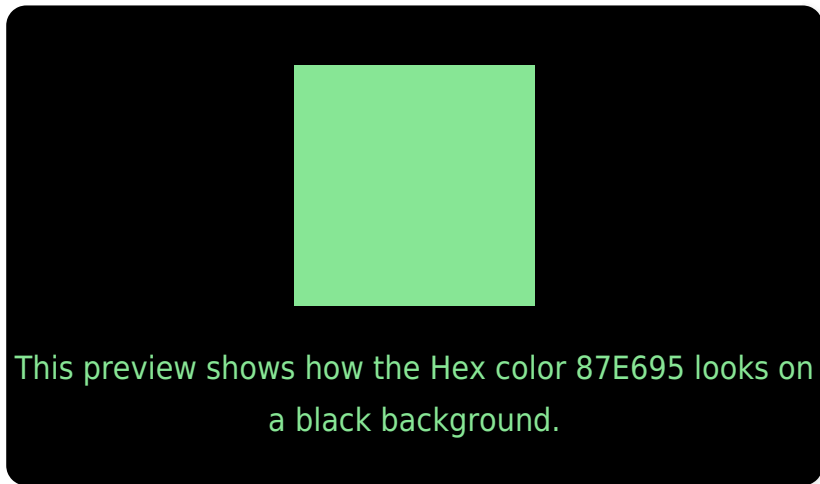
Large Text (above 18pt) WCAG AA × Fail

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 87E695 Background



This preview shows how black text looks on a background with the Hex color 87E695.

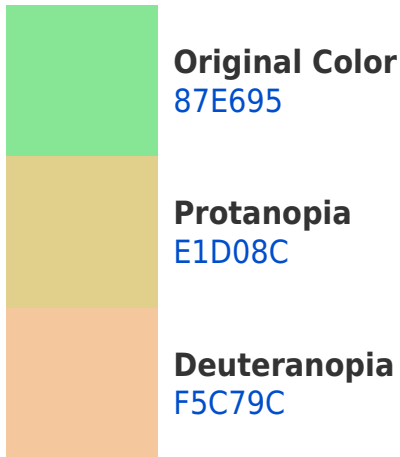


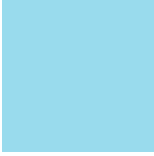
This preview shows how white text looks on a background with the Hex color 87E695.

# 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



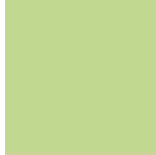


**Tritanopia**  
99DBED

# Trichromacy



**Original Color**  
87E695



**Protanomaly**  
C0D88F



**Deuteranomaly**  
CDD299



**Tritanomaly**  
92DFCD

# Monochromacy



**Original Color**  
87E695



**Achromatopsia**  
C0C0C0



**Achromatomaly**  
ABCEB0

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87E695 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 #87E695 looks like.

```
.text, #text, p{  
  color:#87E695  
}
```

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 #87E695 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87E695
}
```

## Border

The CSS property to change the border of an element to Hex 87E695 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
#87E695 }
```

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

```
.border{ border-color:#87E695 }
```

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

Here you see how a box with a 4 pixel #87E695 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87E695; -webkit-box-shadow:4px 4px  
4px 4px #87E695; box-shadow:4px 4px 4px  
4px #87E695 }
```

# Background

The CSS property to change the background color of an element to Hex 87E695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87E695 }
```

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

```
.background{ background-color:#87E695 }
```

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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