

# Converting Colors

Hex(87A3EC)

Have a look what the booklet for  
Hex(87A3EC) contains.

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# **Color**

**Hex(87A3EC)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87A3EC
RGB	135, 163, 236
RGB Percent	53%, 64%, 93%
CMY	0.4706, 0.3608, 0.0745
CMYK	0.43, 0.31, 0.00, 0.07
HSL	223°, 73%, 73%
HSV	223°, 43%, 93%
XYZ	38.2292, 37.4014, 84.5612
YIQ	162.9500, -40.1210, 16.7670

# Conversions

## Conversions Part 2

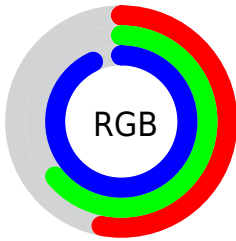
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">135, 157, 236</a>
Decimal	<a href="#">8889324</a>
CIELab	<a href="#">67.58, 8.84, -39.74</a>
CIELCh	<a href="#">68, 40.709, 282.535</a>
Yxy	<a href="#">37.4014, 0.2386, 0.2335</a>
Android (android.graphics.Color)	<a href="#">4287079404 (0xFF87A3EC)</a>
YUV	<a href="#">162.9500, 36.0137, -24.5121</a>
Hunter-Lab	<a href="#">61.1567, 4.5565, -39.1704</a>

# Details

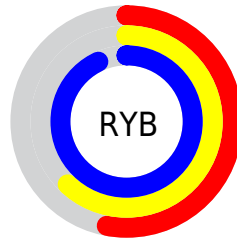
The Hex color **87A3EC** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **ECD087**, and the grayscale version is **A3A3A3**.

A 20% lighter version of the original color is **C0DAFF**, and **4F70B4** is the 20% darker color. If you saturate the color by 10%, you get **6F92EC**, and if you desaturate by 10%, it is **9FB4EC**.

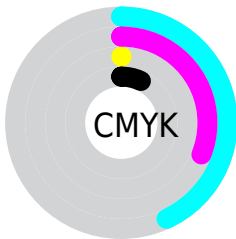
# Distribution



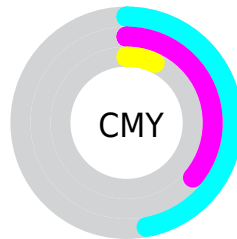
- Red (53%)
- Green (64%)
- Blue (93%)



- Red (53%)
- Yellow (62%)
- Blue (93%)



- Cyan (43%)
- Magenta (31%)
- Yellow (0%)
- Black (7%)



- Cyan (47%)
- Magenta (36%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87A3EC 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 87A3EC by changing the saturation by 10% instead.



 87A3EC

 87A3EC

FFFFFF

 6B89D0

 C0DAFF

 4F70B4

 DDF6FF

 325799

 FAFFFF

 0A407F

 002B65

 00174D

 000535

 00021F

 000003

■ 87A3EC

■ 87A3EC

■ 6F92EC

■ 9FB4EC

■ 5881EC

■ B6C5EC

■ 4070EC

■ CED6EC

■ 295FEC

■ E5E7EC

■ 114EEC

■ FDF8EC

■ 0041EC

■ FFFFEC

# Harmonies

## Analogous

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



3EAEEA



87A3EC



BC95DB

# Triad

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



87A3EC



E58F75



54B68D

# Complementary

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



87A3EC



ECD087

# 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.



84B16D



87A3EC



CE9B5F

# Square

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



87A3EC



EB8796



ADA75B



00B8B3

# Rectangle

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



87A3EC



D58DC7



ADA75B



65B581



# Sweetspot

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



87A3EC



DEE7FF



87ECCF



6B7180



000000



808080



# Same Dimension

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



87A3EC



7DA1FF



9D87EC



6A6D75



0032B5



000F36



# Inverse Universe

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



EC87A3



FF7DA1



D6EC87



756A6D



B50032

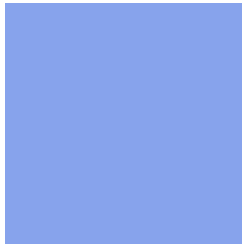


36000F



# Previews

## White Background



This preview shows how the Hex color 87A3EC looks on a white background.

## Color Contrast Check

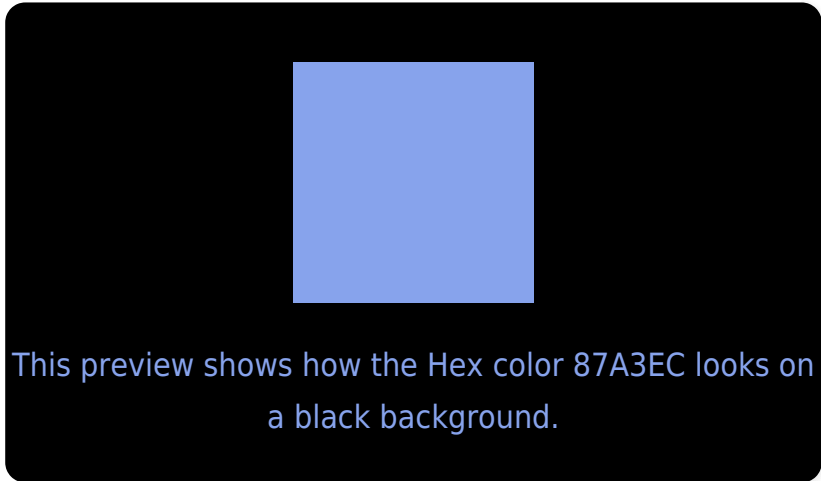
Large Text (above 18pt) WCAG AA × Fail

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 87A3EC Background



This preview shows how black text looks on a background with the Hex color 87A3EC.



This preview shows how white text looks on a background with the Hex color 87A3EC.

# 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



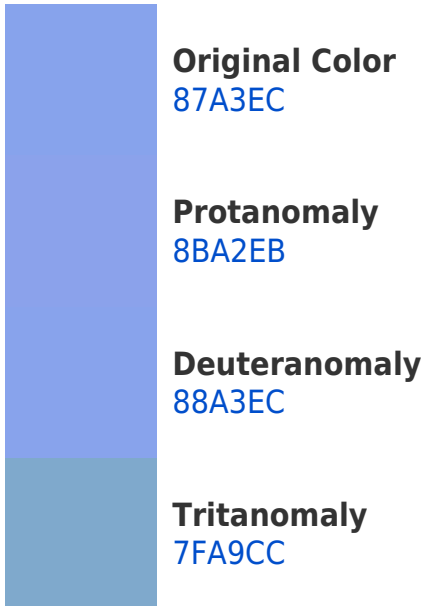
**Original Color**  
87A3EC

**Protanopia**  
8DA2EB

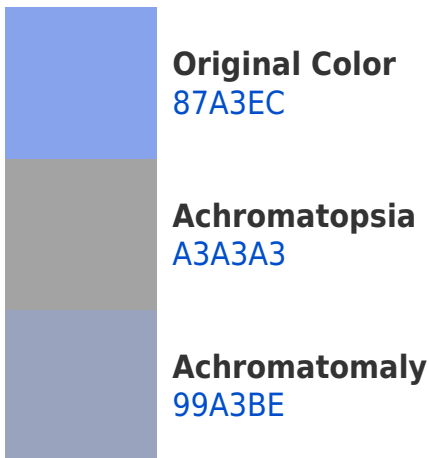
**Deuteranopia**  
88A3EC



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87A3EC 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 #87A3EC looks like.

```
.text, #text, p{  
    color:#87A3EC  
}
```

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 #87A3EC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87A3EC
}
```

## Border

The CSS property to change the border of an element to Hex 87A3EC 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
#87A3EC }
```

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

```
.border{ border-color:#87A3EC }
```

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

Here you see how a box with a 4 pixel #87A3EC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87A3EC; -webkit-box-shadow:4px 4px  
4px 4px #87A3EC; box-shadow:4px 4px 4px  
4px #87A3EC }
```

# Background

The CSS property to change the background color of an element to Hex 87A3EC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87A3EC }
```

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

```
.background{ background-color:#87A3EC }
```

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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