

Converting Colors

Hex(87A4EA)

Have a look what the booklet for
Hex(87A4EA) contains.

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Color

Hex(87A4EA)

Conversions

Conversions Part 1

Format	Color
Hex	87A4EA
RGB	135, 164, 234
RGB Percent	53%, 64%, 92%
CMY	0.4706, 0.3569, 0.0824
CMYK	0.42, 0.30, 0.00, 0.08
HSL	222°, 70%, 72%
HSV	222°, 42%, 92%
XYZ	38.1184, 37.6423, 83.0985
YIQ	163.3090, -39.7540, 15.6220

Conversions

Conversions Part 2

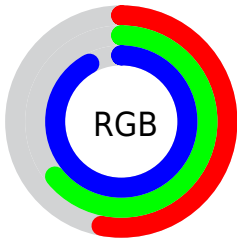
Format	Color
RYB	135, 157, 234
Decimal	8889578
CIELab	67.76, 7.71, -38.36
CIElCh	68, 39.130, 281.359
Yxy	37.6423, 0.2400, 0.2370
Android (android.graphics.Color)	4287079658 (0xFF87A4EA)
YUV	163.3090, 34.8507, -24.8270
Hunter-Lab	61.3533, 3.5325, -37.3566

Details

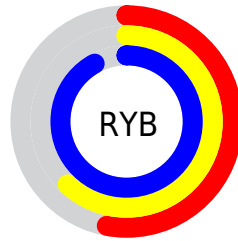
The Hex color **87A4EA** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **EACD87**, and the grayscale version is **A3A3A3**.

A 20% lighter version of the original color is **C0DBFF**, and **4F71B2** is the 20% darker color. If you saturate the color by 10%, you get **7093EA**, and if you desaturate by 10%, it is **9EB5EA**.

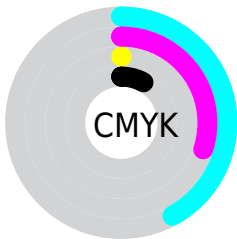
Distribution



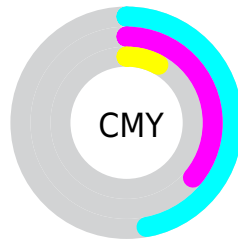
- Red (53%)
- Green (64%)
- Blue (92%)



- Red (53%)
- Yellow (62%)
- Blue (92%)



- Cyan (42%)
- Magenta (30%)
- Yellow (0%)
- Black (8%)



- Cyan (47%)
- Magenta (36%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Hex color 87A4EA 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 87A4EA by changing the saturation by 10% instead.

 87A4EA

 87A4EA

FFFFFF

 6B8ACE

 C0DBFF

 4F71B2

 DCF7FF

 325897

 FAFFFF

 0D417D

 002C63

 00184B

 000434

 00021E

 000000

87A4EA

87A4EA

7093EA

9EB5EA

5883EA

B6C5EA

4172EA

CDD6EA

2962EA

E5E6EA

1251EA

FCF7EA

0045EA

FFFFEA

Harmonies

Analogous

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



45AFE7



87A4EA



BA97DA

Triad

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



87A4EA



E49078



5AB68D

Complementary

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



87A4EA



EACD87

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.



88B16F



87A4EA



CF9B62

Square

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



87A4EA



E98999



AFA75F



1AB8B2

Rectangle

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



87A4EA



D38FC7



AFA75F



6BB582

Sweetspot

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



87A4EA



DEE8FF



87EACC



6B7180



000000



808080

Same Dimension

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



87A4EA



7DA3FF



9B87EA



6A6D75



0035B5



001036

Inverse Universe

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



EA87A4



FF7DA3



D6EA87



756A6D



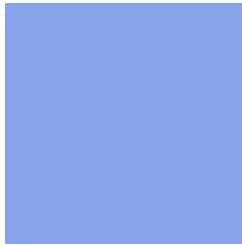
B50035



360010

Previews

White Background



This preview shows how the Hex color 87A4EA looks on a white background.

Color Contrast Check

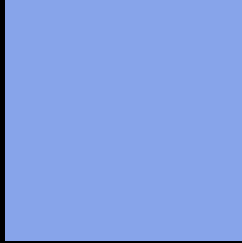
Large Text (above 18pt) WCAG AA × Fail

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 87A4EA looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

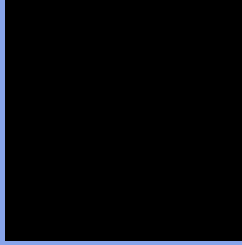
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

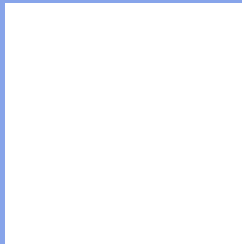
Any Text WCAG AAA ✓ Pass

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

Hex 87A4EA Background



This preview shows how black text looks on a background with the Hex color 87A4EA.



This preview shows how white text looks on a background with the Hex color 87A4EA.

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
87A4EA

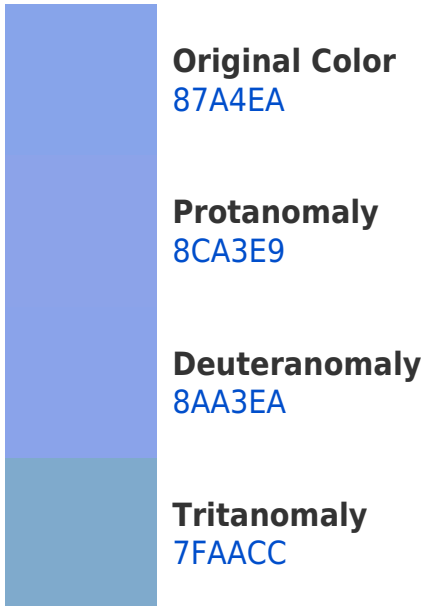
Protanopia
8FA2E9

Deuteranopia
8BA3EA

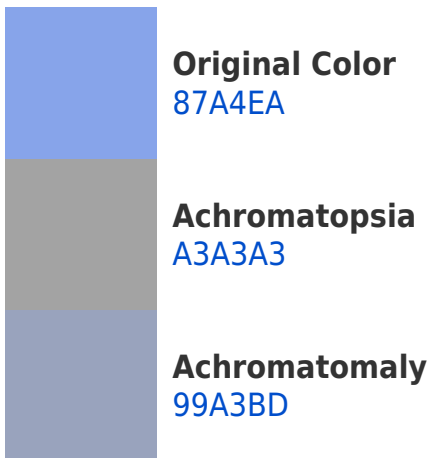


Tritanopia
7AADB8

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 87A4EA 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 #87A4EA looks like.

```
.text, #text, p{  
    color:#87A4EA  
}
```

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 #87A4EA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87A4EA
}
```

Border

The CSS property to change the border of an element to Hex 87A4EA 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
#87A4EA }
```

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

```
.border{ border-color:#87A4EA }
```

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

Here you see how a box with a 4 pixel #87A4EA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87A4EA; -webkit-box-shadow:4px 4px  
4px 4px #87A4EA; box-shadow:4px 4px 4px  
4px #87A4EA }
```

Background

The CSS property to change the background color of an element to Hex 87A4EA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87A4EA }
```

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

```
.background{ background-color:#87A4EA }
```

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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