

# Converting Colors

Hex(87B4EA)

Have a look what the booklet for  
Hex(87B4EA) contains.

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# **Color**

**Hex(87B4EA)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87B4EA
RGB	135, 180, 234
RGB Percent	53%, 71%, 92%
CMY	0.4706, 0.2941, 0.0824
CMYK	0.42, 0.23, 0.00, 0.08
HSL	213°, 70%, 72%
HSV	213°, 42%, 92%
XYZ	41.1642, 43.7339, 84.1138
YIQ	172.7010, -44.1540, 7.2540

# Conversions

## Conversions Part 2

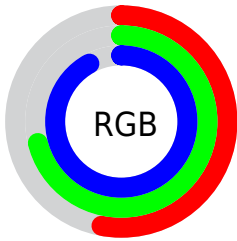
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	135, 166, 234
Decimal	8893674
CIE Lab	72.05, -1.23, -31.70
CIE LCh	72, 31.726, 267.774
Yxy	43.7339, 0.2436, 0.2588
Android (android.graphics.Color)	4287083754 (0xFF87B4EA)
YUV	172.7010, 30.2204, -33.0638
Hunter-Lab	66.1316, -4.6215, -29.1197

# Details

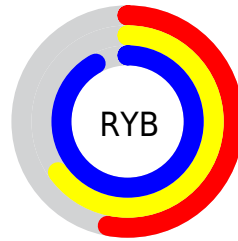
The Hex color **87B4EA** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **EABD87**, and the grayscale version is **ACACAC**.

A 20% lighter version of the original color is **C0ECFF**, and **4F7FB2** is the 20% darker color. If you saturate the color by 10%, you get **70A7EA**, and if you desaturate by 10%, it is **9EC1EA**.

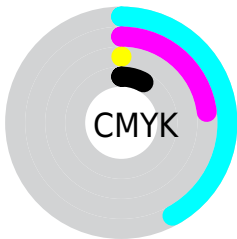
# Distribution



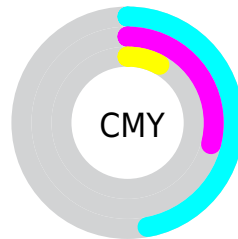
- Red (53%)
- Green (71%)
- Blue (92%)



- Red (53%)
- Yellow (65%)
- Blue (92%)



- Cyan (42%)
- Magenta (23%)
- Yellow (0%)
- Black (8%)



- Cyan (47%)
- Magenta (29%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87B4EA 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 87B4EA by changing the saturation by 10% instead.



■ 87B4EA

■ 87B4EA

FFFFFF

■ 6B99CE

■ C0ECFF

■ 4F7FB2

■ DCFFFF

■ 326797

■ FAFFFF

■ 0C4F7D

■ 003864

■ 00234C

■ 000D35

■ 00021F

■ 000002

 87B4EA

 87B4EA

 70A7EA

 9EC1EA

 589AEA

 B6CEEA

 418EEA

 CDDAEA

 2981EA

 E5E7EA

 1274EA

 FCF4EA

 006AEA

 FFFFEA

# Harmonies

## Analogous

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



5FBCE1



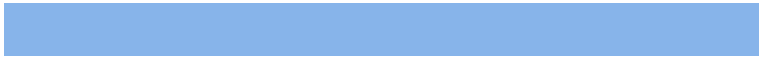
87B4EA



B2AAE4

# Triad

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



87B4EA



EA9D97



87BD91

# Complementary

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



87B4EA



EABD87

# 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.



A9B77D



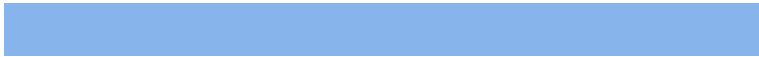
87B4EA



DEA481

# Square

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



87B4EA



E79BB4



C7AE77



66C0AD

# Rectangle

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



87B4EA



CAA3D8



C7AE77



92BC89

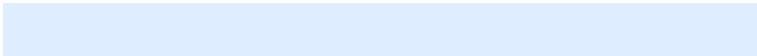


# Sweetspot

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



87B4EA



DEEDFF



87EABC



6B7480



000000



808080

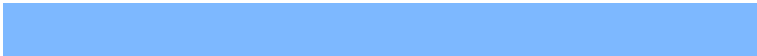


# Same Dimension

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



87B4EA



7DB8FF



8A87EA



6A6F75



0052B5



001836



# Inverse Universe

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



EA87B4



FF7DB8



E7EA87



756A6F



B50052

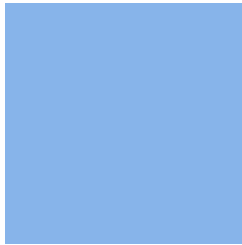


360018



# Previews

## White Background



This preview shows how the Hex color 87B4EA looks on a white background.

## Color Contrast Check

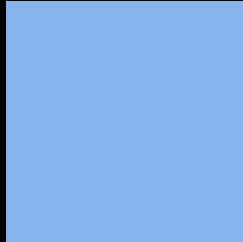
Large Text (above 18pt) WCAG AA × Fail

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 87B4EA looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

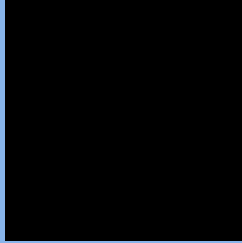
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

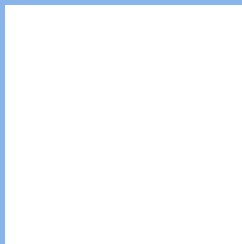
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 87B4EA Background



This preview shows how black text looks on a background with the Hex color 87B4EA.

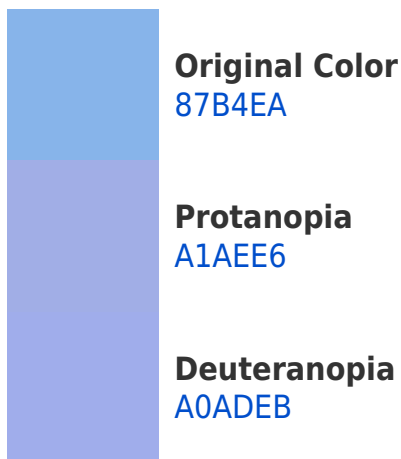


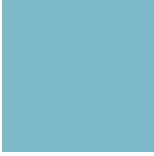
This preview shows how white text looks on a background with the Hex color 87B4EA.

# Color Blindness Simulation

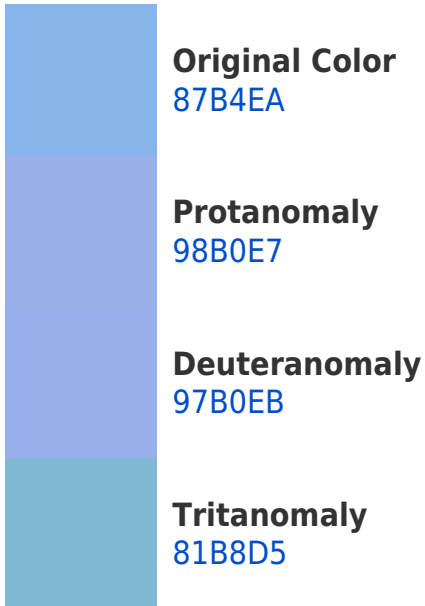
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

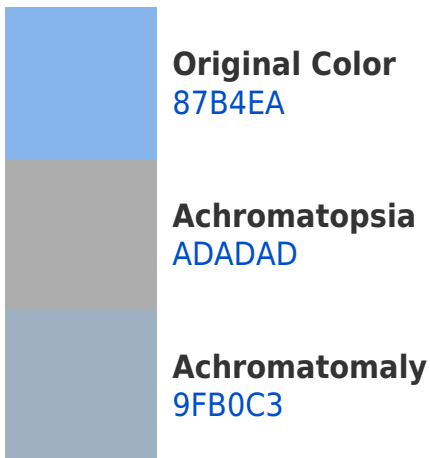




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87B4EA 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 #87B4EA looks like.

```
.text, #text, p{  
    color:#87B4EA  
}
```

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 #87B4EA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87B4EA
}
```

## Border

The CSS property to change the border of an element to Hex 87B4EA 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
#87B4EA }
```

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

```
.border{ border-color:#87B4EA }
```

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

Here you see how a box with a 4 pixel #87B4EA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87B4EA; -webkit-box-shadow:4px 4px  
4px 4px #87B4EA; box-shadow:4px 4px 4px  
4px #87B4EA }
```

# Background

The CSS property to change the background color of an element to Hex 87B4EA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87B4EA }
```

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

```
.background{ background-color:#87B4EA }
```

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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