

Converting Colors

Hex(87A7EA)

Have a look what the booklet for
Hex(87A7EA) contains.

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Color

Hex(87A7EA)

Conversions

Conversions Part 1

Format	Color
Hex	87A7EA
RGB	135, 167, 234
RGB Percent	53%, 65%, 92%
CMY	0.4706, 0.3451, 0.0824
CMYK	0.42, 0.29, 0.00, 0.08
HSL	221°, 70%, 72%
HSV	221°, 42%, 92%
XYZ	38.6617, 38.7288, 83.2796
YIQ	165.0700, -40.5790, 14.0530

Conversions

Conversions Part 2

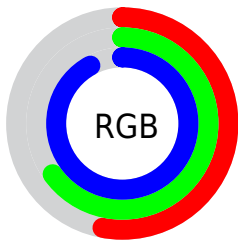
Format	Color
RYB	135, 159, 234
Decimal	8890346
CIELab	68.55, 6.01, -37.12
CIELCh	69, 37.604, 279.196
Yxy	38.7288, 0.2406, 0.2410
Android (android.graphics.Color)	4287080426 (0xFF87A7EA)
YUV	165.0700, 33.9825, -26.3714
Hunter-Lab	62.2325, 1.9855, -35.7792

Details

The Hex color **87A7EA** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **EACA87**, and the grayscale version is **A5A5A5**.

A 20% lighter version of the original color is **C0DEFF**, and **4F73B2** is the 20% darker color. If you saturate the color by 10%, you get **7097EA**, and if you desaturate by 10%, it is **9EB7EA**.

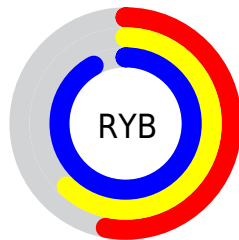
Distribution



Red (53%)

Green (65%)

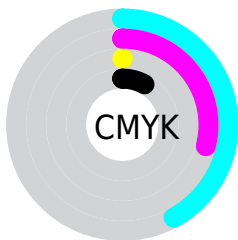
Blue (92%)



Red (53%)

Yellow (62%)

Blue (92%)

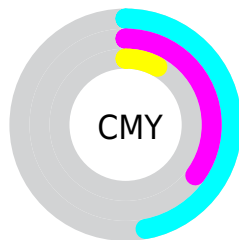


Cyan (42%)

Magenta (29%)

Yellow (0%)

Black (8%)



Cyan (47%)

Magenta (35%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Hex color 87A7EA 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 87A7EA by changing the saturation by 10% instead.

 87A7EA

 87A7EA

FFFFFF

 6B8DCE

 C0DEFF

 4F73B2

 DCFAFF

 335B97

 FAFFFF

 0D447D

 002E64

 001A4B

 000434

 00021E

 000000

■ 87A7EA

■ 87A7EA

■ 7097EA

■ 9EB7EA

■ 5887EA

■ B6C7EA

■ 4177EA

■ CDD7EA

■ 2968EA

■ E5E6EA

■ 1258EA

■ FCF6EA

■ 004CEA

■ FFFFEA

Harmonies

Analogous

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



4AB1E6



87A7EA



B99BDC

Triad

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



87A7EA



E5927E



64B88E

Complementary

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



87A7EA



EACA87

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.



8EB271



87A7EA



D29D68

Square

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



87A7EA



E98D9E



B3A963



32B9B1

Rectangle

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



87A7EA



D193CB



B3A963



73B683

Sweetspot

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



87A7EA



DEE9FF



87EAC9



6B7280



000000



808080

Same Dimension

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



87A7EA



7DA7FF



9787EA



6A6D75



003BB5



001136

Inverse Universe

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



EA87A7



FF7DA7



DAEA87



756A6D



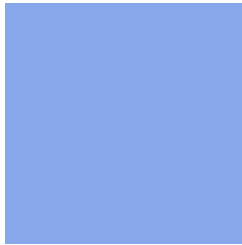
B5003B



360011

Previews

White Background



This preview shows how the Hex color 87A7EA looks on a white background.

Color Contrast Check

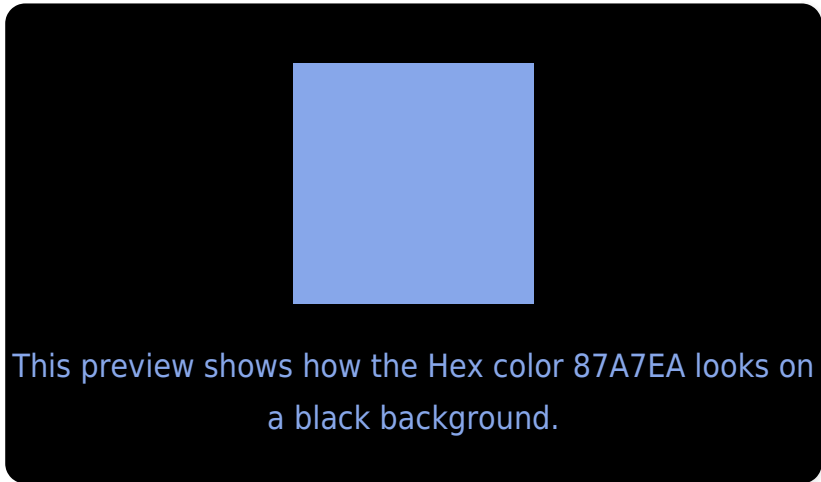
Large Text (above 18pt) WCAG AA × Fail

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

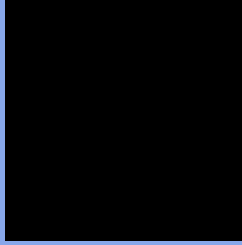
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

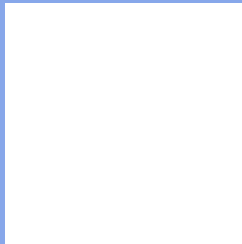
Any Text WCAG AAA ✓ Pass

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

Hex 87A7EA Background



This preview shows how black text looks on a background with the Hex color 87A7EA.



This preview shows how white text looks on a background with the Hex color 87A7EA.

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
87A7EA

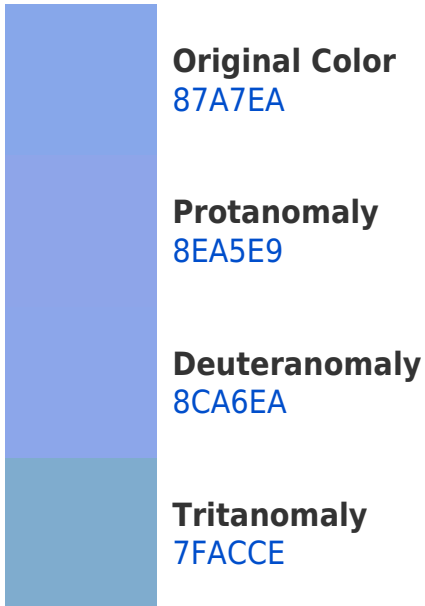
Protanopia
92A4E8

Deuteranopia
8FA5EA

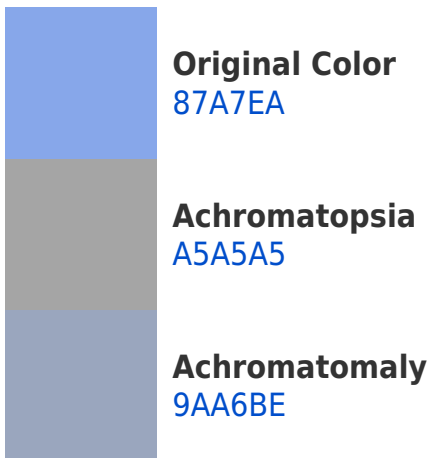


Tritanopia
7BAFBE

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 87A7EA 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 #87A7EA looks like.

```
.text, #text, p{  
    color:#87A7EA  
}
```

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 #87A7EA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87A7EA
}
```

Border

The CSS property to change the border of an element to Hex 87A7EA 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
#87A7EA }
```

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

```
.border{ border-color:#87A7EA }
```

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

Here you see how a box with a 4 pixel #87A7EA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87A7EA; -webkit-box-shadow:4px 4px  
4px 4px #87A7EA; box-shadow:4px 4px 4px  
4px #87A7EA }
```

Background

The CSS property to change the background color of an element to Hex 87A7EA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87A7EA }
```

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

```
.background{ background-color:#87A7EA }
```

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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