

# Converting Colors

Hex(87AAFA)

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

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# **Color**

**Hex(87AAFA)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87AAFA
RGB	135, 170, 250
RGB Percent	53%, 67%, 98%
CMY	0.4706, 0.3333, 0.0196
CMYK	0.46, 0.32, 0.00, 0.02
HSL	222°, 92%, 75%
HSV	222°, 46%, 98%
XYZ	41.6217, 40.8025, 96.1244
YIQ	168.6550, -46.5400, 17.4600

# Conversions

## Conversions Part 2

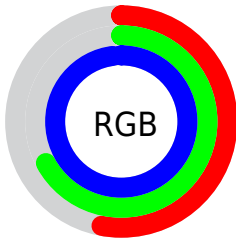
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	135, 162, 250
Decimal	8891130
CIELab	70.04, 8.84, -43.52
CIElCh	70, 44.410, 281.483
Yxy	40.8025, 0.2331, 0.2285
Android (android.graphics.Color)	4287081210 (0xFF87AAFA)
YUV	168.6550, 40.1031, -29.5154
Hunter-Lab	63.8768, 4.5250, -44.5082

# Details

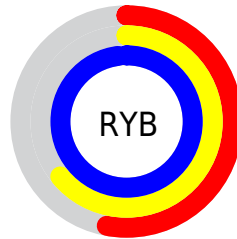
The Hex color **87AAFA** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **FAD787**, and the grayscale version is **A8A8A8**.

A 20% lighter version of the original color is **C1E1FF**, and **4D76C1** is the 20% darker color. If you saturate the color by 10%, you get **6E99FA**, and if you desaturate by 10%, it is **A0BBFA**.

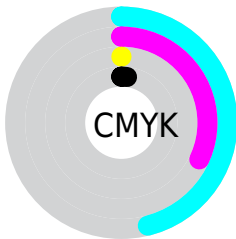
# Distribution



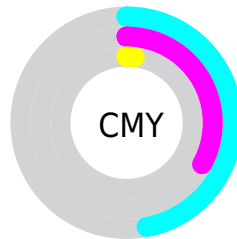
- Red (53%)
- Green (67%)
- Blue (98%)



- Red (53%)
- Yellow (64%)
- Blue (98%)



- Cyan (46%)
- Magenta (32%)
- Yellow (0%)
- Black (2%)



- Cyan (47%)
- Magenta (33%)
- Yellow (2%)

# Brightness & Saturation Gradients

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



 87AAFA

 87AAFA

FFFFFF

 6A90DD

 C1E1FF

 4D76C1

 DEFEFF

 2D5EA6

 FCFFFF

 00478B

 003171

 001D58

 000040

 000329

 000113

■ 87AAFA

■ 87AAFA

■ 6E99FA

■ A0BBFA

■ 5587FA

■ B9CDFA

■ 3C76FA

■ D2DEFA

■ 2364FA

■ EBF0FA

■ 0A53FA

■ FFFFFA

■ 004CFA

# Harmonies

## Analogous

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



2AB6F7



87AAFA



C39BE8

# Triad

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



87AAFA



F29278



52BE90

# Complementary

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



87AAFA



FAD787

# 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.



89B86D



87AAFA



D9A05F

# Square

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



87AAFA



F88B9D



B5AE5A



00C0BA

# Rectangle

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



87AAFA



DF92D2



B5AE5A



66BD83



# Sweetspot

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



87AAFA



DBE6FF



87FAD6



6A7080



000000



808080



# Same Dimension

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



87AAFA



739DFF



9C87FA



70747D



0039BD



00133D



# Inverse Universe

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



FA87AA



FF739D



E5FA87



7D7074



BD0039



3D0013



# Previews

## White Background



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

## Color Contrast Check

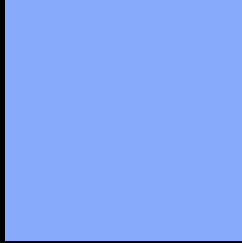
Large Text (above 18pt) WCAG AA × Fail

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 87AAFA looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

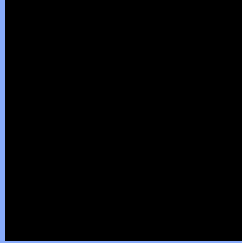
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

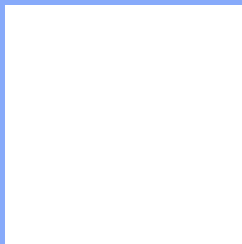
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 87AAFA Background



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



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

# 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](#).

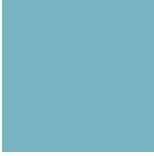
## Dichromacy



**Original Color**  
87AAFA

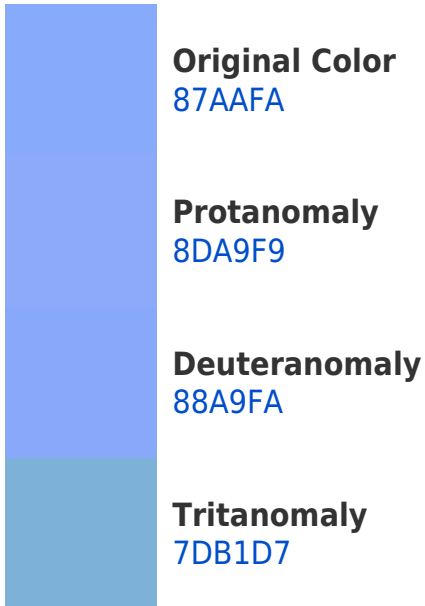
**Protanopia**  
90A8F8

**Deuteranopia**  
89A9FA

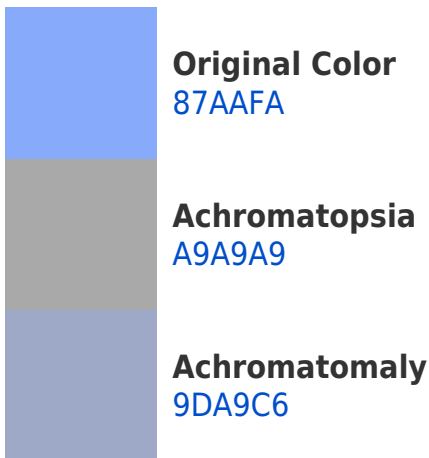


**Tritanopia**  
77B5C3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

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

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

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 #87AAFA colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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