

# Converting Colors

Hex(87BDFA)

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

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# **Color**

**Hex(87BDFA)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87BDFA
RGB	135, 189, 250
RGB Percent	53%, 74%, 98%
CMY	0.4706, 0.2588, 0.0196
CMYK	0.46, 0.24, 0.00, 0.02
HSL	212°, 92%, 75%
HSV	212°, 46%, 98%
XYZ	45.4446, 48.4482, 97.3987
YIQ	179.8080, -51.7650, 7.5230

# Conversions

## Conversions Part 2

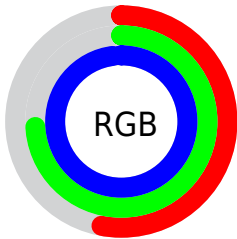
Format	Color
R <sub>Y</sub> B	135, 172, 250
Decimal	8895994
CIE Lab	75.11, -1.72, -35.63
CIE LCh	75, 35.667, 267.229
Yxy	48.4482, 0.2376, 0.2533
Android (android.graphics.Color)	4287086074 (0xFF87BDF4)
YUV	179.8080, 34.6047, -39.2966
Hunter-Lab	69.6048, -5.2666, -34.2419

# Details

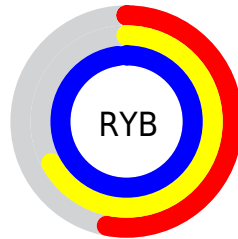
The Hex color **87BDF4** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **FAC487**, and the grayscale version is **B4B4B4**.

A 20% lighter version of the original color is **C1F5FF**, and **4D88C1** is the 20% darker color. If you saturate the color by 10%, you get **6EB0FA**, and if you desaturate by 10%, it is **A0CAFA**.

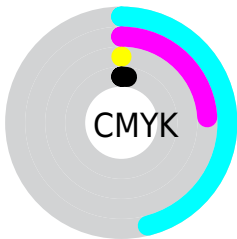
# Distribution



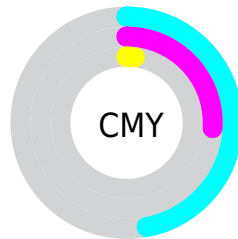
- Red (53%)
- Green (74%)
- Blue (98%)



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



- Cyan (46%)
- Magenta (24%)
- Yellow (0%)
- Black (2%)



- Cyan (47%)
- Magenta (26%)
- Yellow (2%)

# Brightness & Saturation Gradients

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



 87BDFA

 87BDFA

FFFFFF

 6AA2DD

 C1F5FF

 4D88C1

 DEFFFF

 2D6FA6

 FCF5FF

 00578B

 004072

 002A59

 001641

 00032A

 000115

■ 87BDFA

■ 87BDFA

■ 6EB0FA

■ A0CAFA

■ 55A2FA

■ B9D8FA

■ 3C95FA

■ D2E5FA

■ 2388FA

■ EBF2FA

■ 0A7BFA

■ FFFFA

■ 0075FA

# Harmonies

## Analogous

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



56C6EF



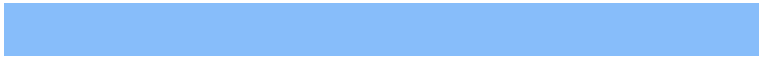
87BDFA



B9B2F3

# Triad

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



87BDFA



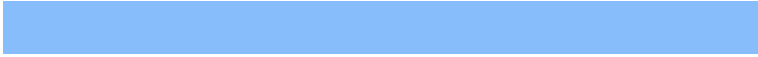
F9A29C



8AC794

# Complementary

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



87BDFA



FAC487

# 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.



B0C07E



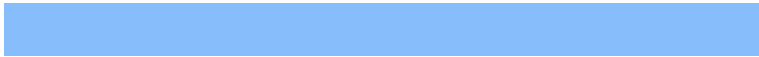
87BDFA



ECAB83

# Square

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



87BDFA



F6A0BD



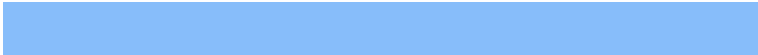
D2B677



62CBB5

# Rectangle

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



87BDFA



D5AAE6



D2B677

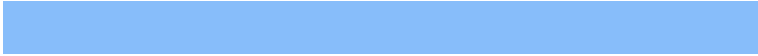


97C58B

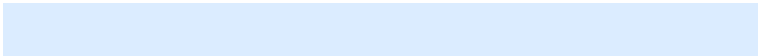


# Sweetspot

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



87BDFA



DBECFF



87FAC2



6A7480



000000



808080

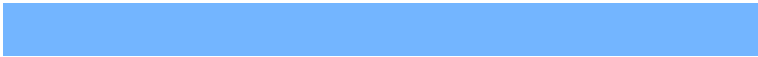


# Same Dimension

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



87BDFA



73B5FF



8987FA



70767D



0059BD



001D3D



# Inverse Universe

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



FA87BD



FF73B5



F8FA87



7D7076



BD0059

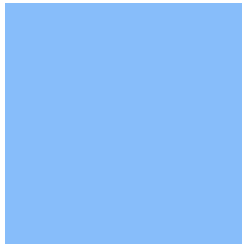


3D001D



# Previews

## White Background



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

## Color Contrast Check

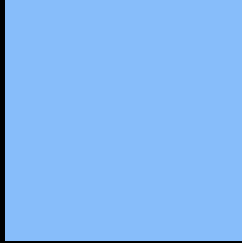
Large Text (above 18pt) WCAG AA × Fail

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 87BDFA 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

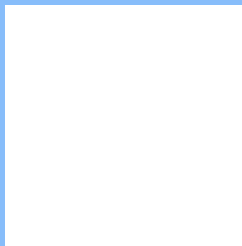
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 87BDFA Background



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

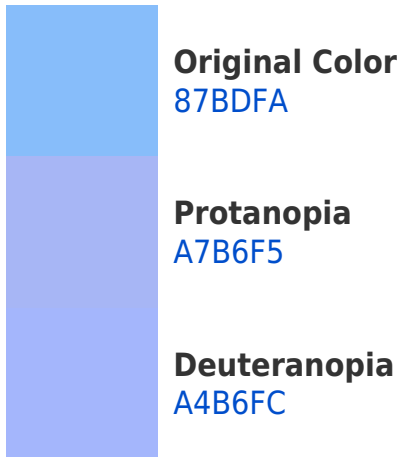


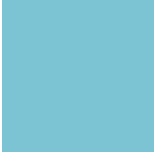
This preview shows how white text looks on a background with the Hex color 87BDFA.

# 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](#).

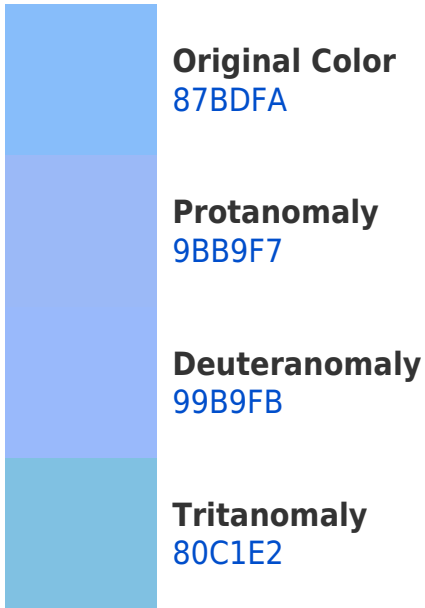
## Dichromacy





**Tritanopia**  
7CC4D4

# Trichromacy



# Monochromacy



# CSS Examples

## Text

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

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

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 #87BDFA colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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