

# Converting Colors

Hex(83B4F4)

Have a look what the booklet for  
Hex(83B4F4) contains.

<b>Hex(83B4F4)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**Hex(83B4F4)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83B4F4
RGB	131, 180, 244
RGB Percent	51%, 71%, 96%
CMY	0.4863, 0.2941, 0.0431
CMYK	0.46, 0.26, 0.00, 0.04
HSL	214°, 84%, 74%
HSV	214°, 46%, 96%
XYZ	42.0105, 43.9995, 91.8665
YIQ	172.6450, -49.7480, 9.5160

# Conversions

## Conversions Part 2

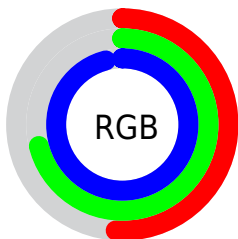
Format	Color
R <sub>Y</sub> B	131, 165, 244
Decimal	8631540
CIE Lab	72.23, 0.58, -36.87
CIE LCh	72, 36.873, 270.895
Yxy	43.9995, 0.2362, 0.2474
Android (android.graphics.Color)	4286821620 (0xFF83B4F4)
YUV	172.6450, 35.1780, -36.5227
Hunter-Lab	66.3321, -3.0308, -35.6811

# Details

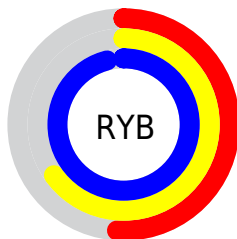
The Hex color **83B4F4** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **F4C383**, and the grayscale version is **ACACAC**.

A 20% lighter version of the original color is **BCECFE**, and **497FBC** is the 20% darker color. If you saturate the color by 10%, you get **6BA6F4**, and if you desaturate by 10%, it is **9BC2F4**.

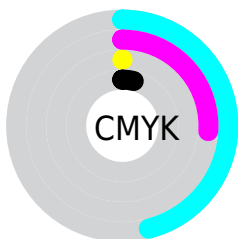
# Distribution



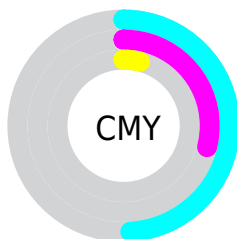
- Red (51%)
- Green (71%)
- Blue (96%)



- Red (51%)
- Yellow (65%)
- Blue (96%)



- Cyan (46%)
- Magenta (26%)
- Yellow (0%)
- Black (4%)



- Cyan (49%)
- Magenta (29%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83B4F4 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 83B4F4 by changing the saturation by 10% instead.



 83B4F4

 83B4F4

FFFFFF

 6799D7

 BCECFF

 497FBC

 DAFFFF

 2967A0

 F7FFFF

 004F86

 00386C

 002354

 000D3C

 000226

 00010F

 83B4F4

 83B4F4

 6BA6F4

 9BC2F4

 5298F4

 B4D0F4

 3A8BF4

 CCDDF4

 217DF4

 E5EBF4

 096FF4

 FDF9F4

 006AF4

 FFFFF4

# Harmonies

## Analogous

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



4BBDEB



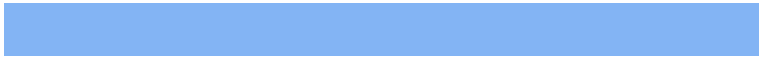
83B4F4



B6A8EB

# Triad

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



83B4F4



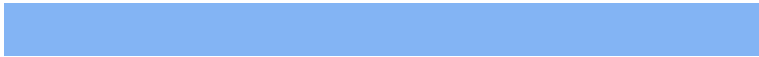
F29A90



7BC08F

# Complementary

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



83B4F4



F4C383

# 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.



A3B976



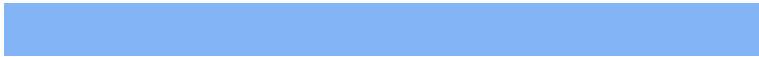
83B4F4



E2A477

# Square

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



83B4F4



F197B1



C7AF6D



50C3B1

# Rectangle

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



83B4F4



D2A0DC



C7AF6D

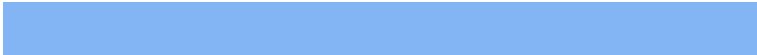


89BE86

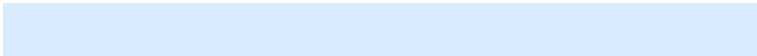


# Sweetspot

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



83B4F4



DBEBFF



83F4C1



6A7380



000000

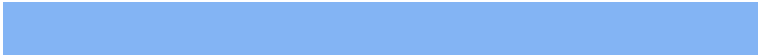


808080

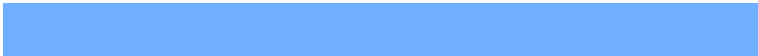


# Same Dimension

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



83B4F4



70AEFF



8983F4



6E737A



0051BA



00193B



# Inverse Universe

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



F483B4



FF70AE



EEF483



7A6E73



BA0051

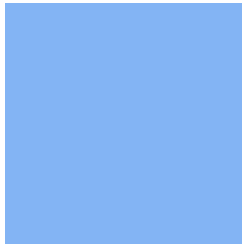


3B0019



# Previews

## White Background



This preview shows how the Hex color 83B4F4 looks on a white background.

## Color Contrast Check

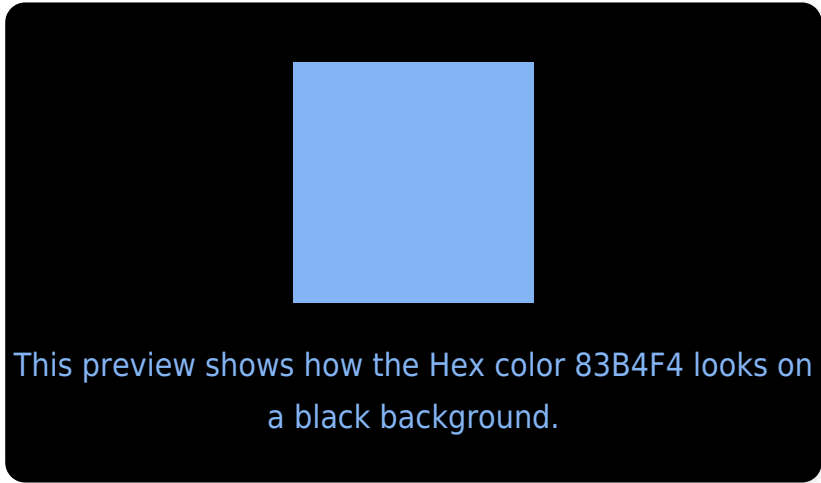
Large Text (above 18pt) WCAG AA × Fail

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

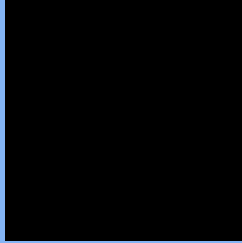
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

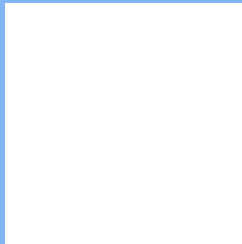
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 83B4F4 Background



This preview shows how black text looks on a background with the Hex color 83B4F4.

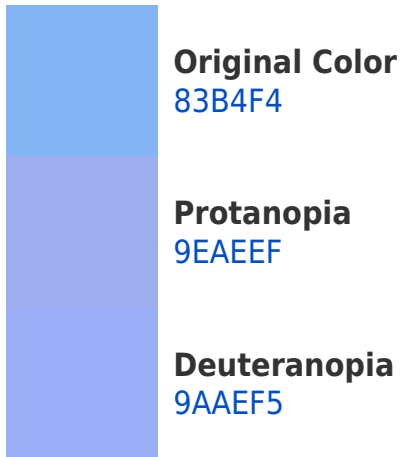


This preview shows how white text looks on a background with the Hex color 83B4F4.

# 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](#).

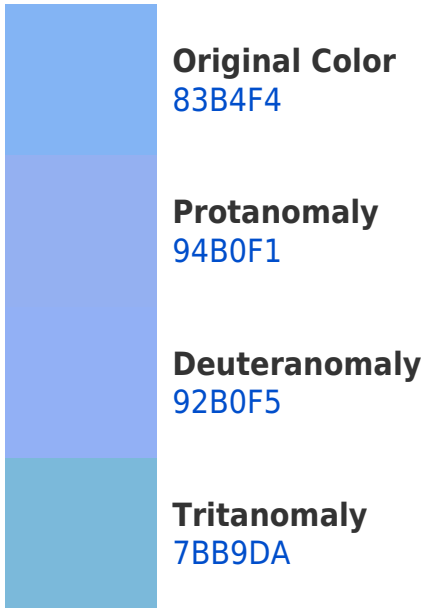
## Dichromacy



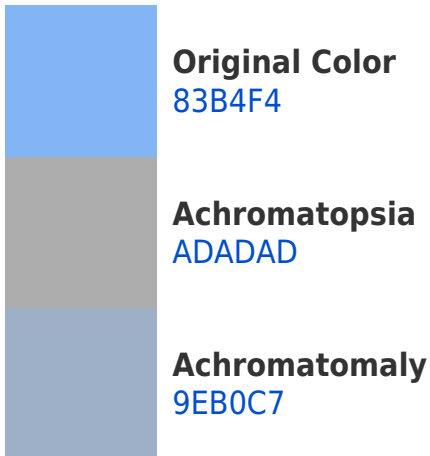


**Tritanopia**  
77BCCB

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83B4F4 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 #83B4F4 looks like.

```
.text, #text, p{  
    color:#83B4F4  
}
```

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 #83B4F4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83B4F4
}
```

## Border

The CSS property to change the border of an element to Hex 83B4F4 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
#83B4F4 }
```

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

```
.border{ border-color:#83B4F4 }
```

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

Here you see how a box with a 4 pixel #83B4F4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83B4F4; -webkit-box-shadow:4px 4px  
4px 4px #83B4F4; box-shadow:4px 4px 4px  
4px #83B4F4 }
```

# Background

The CSS property to change the background color of an element to Hex 83B4F4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83B4F4 }
```

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

```
.background{ background-color:#83B4F4 }
```

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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