

# Converting Colors

Hex(83A7E4)

Have a look what the booklet for  
Hex(83A7E4) contains.

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# **Color**

**Hex(83A7E4)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83A7E4
RGB	131, 167, 228
RGB Percent	51%, 65%, 89%
CMY	0.4863, 0.3451, 0.1059
CMYK	0.43, 0.27, 0.00, 0.11
HSL	218°, 64%, 70%
HSV	218°, 43%, 89%
XYZ	37.1824, 38.0642, 78.7862
YIQ	163.1900, -41.0370, 11.3390

# Conversions

## Conversions Part 2

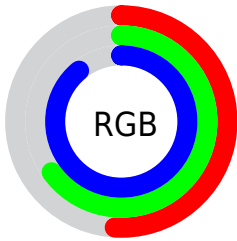
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 157, 228
Decimal	8628196
CIELab	68.07, 3.32, -34.61
CIELCh	68, 34.768, 275.479
Yxy	38.0642, 0.2414, 0.2471
Android (android.graphics.Color)	4286818276 (0xFF83A7E4)
YUV	163.1900, 31.9513, -28.2306
Hunter-Lab	61.6962, -0.3918, -32.5262

# Details

The Hex color **83A7E4** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **E4C083**, and the grayscale version is **A3A3A3**.

A 20% lighter version of the original color is **BBDEFF**, and **4C73AC** is the 20% darker color. If you saturate the color by 10%, you get **6C99E4**, and if you desaturate by 10%, it is **9AB5E4**.

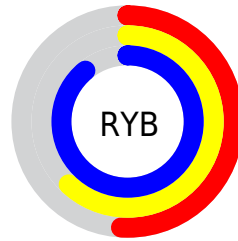
# Distribution



Red (51%)

Green (65%)

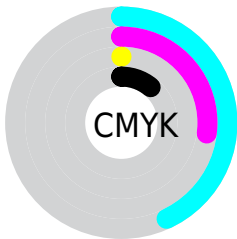
Blue (89%)



Red (51%)

Yellow (62%)

Blue (89%)

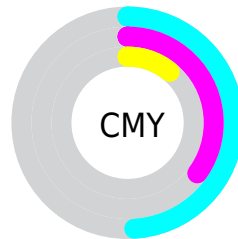


Cyan (43%)

Magenta (27%)

Yellow (0%)

Black (11%)



Cyan (49%)

Magenta (35%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83A7E4 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 83A7E4 by changing the saturation by 10% instead.



■ 83A7E4

■ 83A7E4

FFFFFF

■ 678DC8

■ BBDEFF

■ 4C73AC

■ D8FAFF

■ 2F5B92

■ F5FFFF

■ 064478

■ 002E5F

■ 001A46

■ 000430

■ 00011A

■ 000000

■ 83A7E4

■ 83A7E4

■ 6C99E4

■ 9AB5E4

■ 558AE4

■ B1C4E4

■ 3F7CE4

■ C7D2E4

■ 286EE4

■ DEE0E4

■ 115FE4

■ F5EFE4

■ 0055E4

■ FFFDE4

■ FFFFE4

# Harmonies

## Analogous

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



4FB0DE



83A7E4



B19CD9

# Triad

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



83A7E4



E19283



6EB58B

# Complementary

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



83A7E4



E4C083

# 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.



94AF72



83A7E4



D19B6D

# Square

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



83A7E4



E28EA1



B5A667



46B7AB

# Rectangle

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



83A7E4



C995CA



B5A667



7BB381

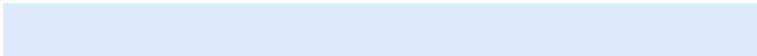


# Sweetspot

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



83A7E4



DEEAFF



83E4BF



6B7380



000000



808080



# Same Dimension

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



83A7E4



7DADFF



8E83E4



676C73



0042B3



001333



# Inverse Universe

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



E483A7



FF7DAD



D9E483



73676C



B30042

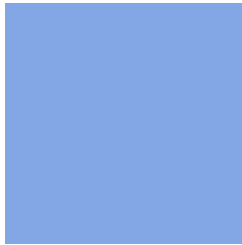


330013



# Previews

## White Background



This preview shows how the Hex color 83A7E4 looks on a white background.

## Color Contrast Check

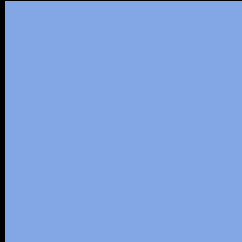
Large Text (above 18pt) WCAG AA × Fail

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 83A7E4 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

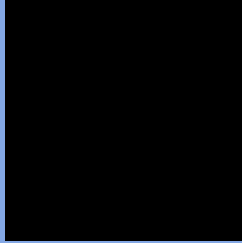
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

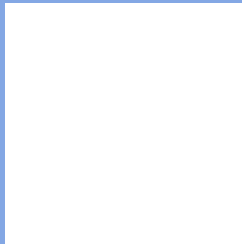
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 83A7E4 Background



This preview shows how black text looks on a background with the Hex color 83A7E4.

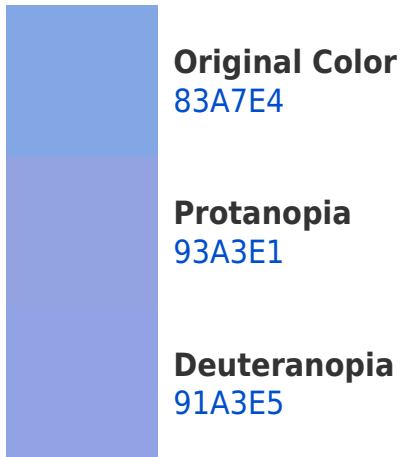


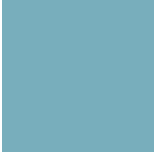
This preview shows how white text looks on a background with the Hex color 83A7E4.

# 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](#).

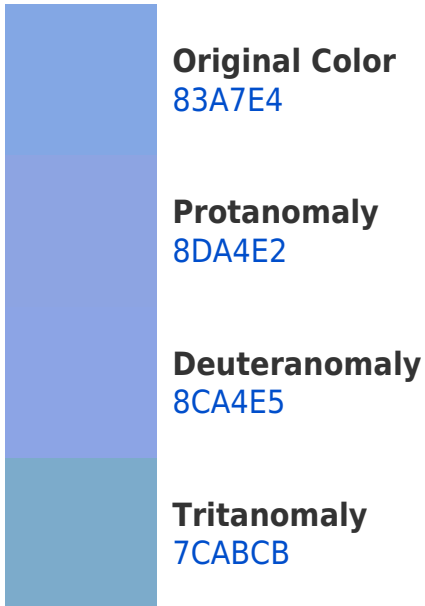
## Dichromacy



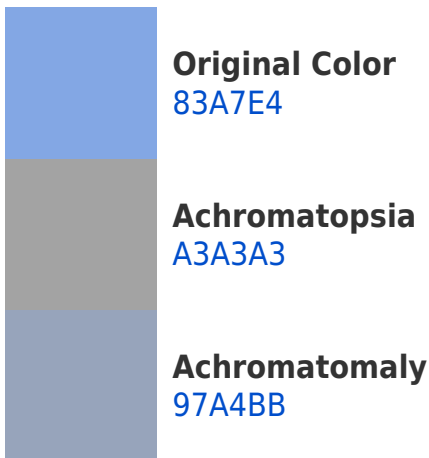


**Tritanopia**  
78AEBC

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83A7E4 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 #83A7E4 looks like.

```
.text, #text, p{  
    color:#83A7E4  
}
```

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 #83A7E4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83A7E4
}
```

## Border

The CSS property to change the border of an element to Hex 83A7E4 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
#83A7E4 }
```

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

```
.border{ border-color:#83A7E4 }
```

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

Here you see how a box with a 4 pixel #83A7E4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83A7E4; -webkit-box-shadow:4px 4px  
4px 4px #83A7E4; box-shadow:4px 4px 4px  
4px #83A7E4 }
```

# Background

The CSS property to change the background color of an element to Hex 83A7E4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83A7E4 }
```

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

```
.background{ background-color:#83A7E4 }
```

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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