

# Converting Colors

Hex(87C5E2)

Have a look what the booklet for  
Hex(87C5E2) contains.

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# **Color**

**Hex(87C5E2)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87C5E2
RGB	135, 197, 226
RGB Percent	53%, 77%, 89%
CMY	0.4706, 0.2275, 0.1137
CMYK	0.40, 0.13, 0.00, 0.11
HSL	199°, 61%, 71%
HSV	199°, 40%, 89%
XYZ	43.6854, 50.5744, 79.4109
YIQ	181.7680, -46.2610, -4.1250

# Conversions

## Conversions Part 2

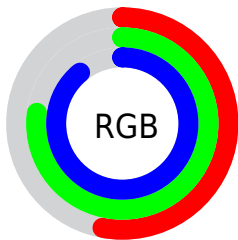
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	135, 172, 226
Decimal	8898018
CIE Lab	76.42, -12.50, -20.68
CIE LCh	76, 24.164, 238.853
Yxy	50.5744, 0.2515, 0.2912
Android (android.graphics.Color)	4287088098 (0xFF87C5E2)
YUV	181.7680, 21.8064, -41.0155
Hunter-Lab	71.1157, -14.8023, -16.4248

# Details

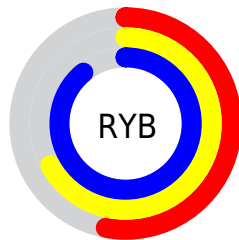
The Hex color **87C5E2** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **E2A487**, and the grayscale version is **B6B6B6**.

A 20% lighter version of the original color is **BFFEFF**, and **508FAB** is the 20% darker color. If you saturate the color by 10%, you get **70BEE2**, and if you desaturate by 10%, it is **9ECCE2**.

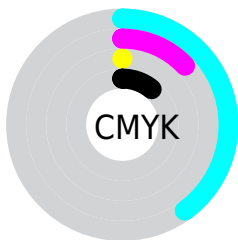
# Distribution



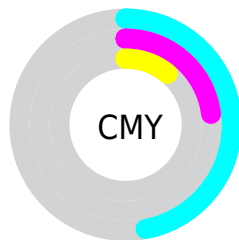
- Red (53%)
- Green (77%)
- Blue (89%)



- Red (53%)
- Yellow (67%)
- Blue (89%)



- Cyan (40%)
- Magenta (13%)
- Yellow (0%)
- Black (11%)



- Cyan (47%)
- Magenta (23%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87C5E2 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 87C5E2 by changing the saturation by 10% instead.



 87C5E2

 87C5E2

FFFFFF

 6BAAC6

 BFFEFF

 508FAB

 DCFFFF

 337690

 FAFFFF

 0F5D76

 00455E

 002F46

 001B2F

 00011B

 000000

87C5E2

87C5E2

70BEE2

9ECCE2

5AB7E2

B4D3E2

43AFE2

CBDBE2

2DA8E2

E1E2E2

16A1E2

F8E9E2

009AE2

FFF0E2

FFF7E2

FFFFE2

# Harmonies

## Analogous

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



7DC9D1



87C5E2



A1BFE9

# Triad

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



87C5E2



E8ADBE



B6C295

# Complementary

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



87C5E2



E2A487

# 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.



CEBB90



87C5E2



EAAEA8

# Square

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



87C5E2



D9B0D4



E1B397



9DC7A5

# Rectangle

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



87C5E2



B5BAE7



E1B397



BFC092

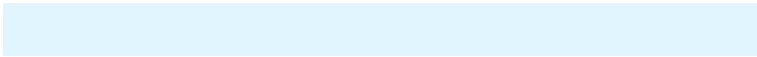


# Sweetspot

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



87C5E2



E0F5FF



87E2A4



6E7A80



000000



808080

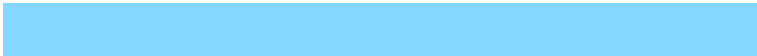


# Same Dimension

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



87C5E2



85D8FF



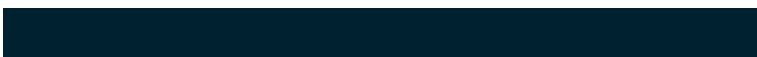
8798E2



656D70



0078B0



002130



# Inverse Universe

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



E287C5



FF85D8



E2D187



70656D



B00078

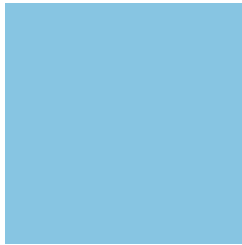


300021



# Previews

## White Background



This preview shows how the Hex color 87C5E2 looks on a white background.

## Color Contrast Check

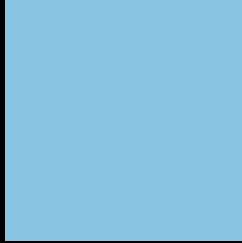
Large Text (above 18pt) WCAG AA × Fail

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 87C5E2 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 87C5E2 Background



This preview shows how black text looks on a background with the Hex color 87C5E2.

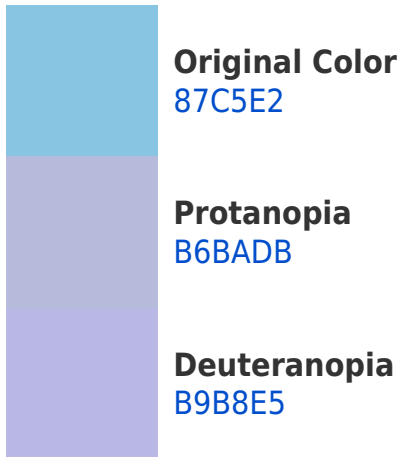


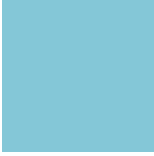
This preview shows how white text looks on a background with the Hex color 87C5E2.

# 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](#).

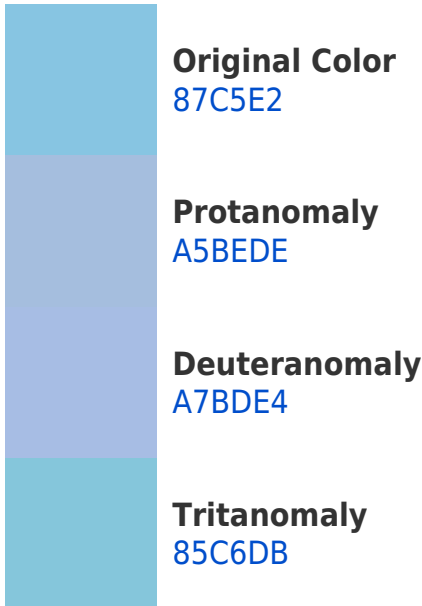
## Dichromacy



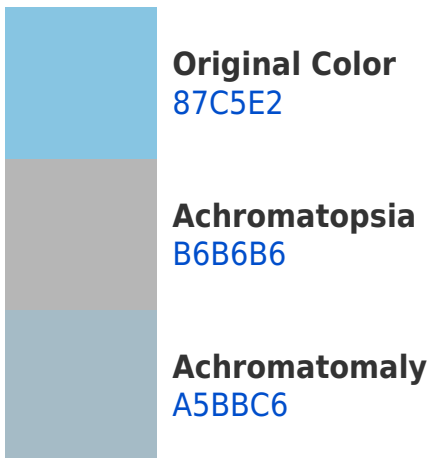


**Tritanopia**  
84C7D7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87C5E2 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 #87C5E2 looks like.

```
.text, #text, p{  
    color:#87C5E2  
}
```

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 #87C5E2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87C5E2
}
```

## Border

The CSS property to change the border of an element to Hex 87C5E2 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
#87C5E2 }
```

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

```
.border{ border-color:#87C5E2 }
```

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

Here you see how a box with a 4 pixel #87C5E2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87C5E2; -webkit-box-shadow:4px 4px  
4px 4px #87C5E2; box-shadow:4px 4px 4px  
4px #87C5E2 }
```

# Background

The CSS property to change the background color of an element to Hex 87C5E2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87C5E2 }
```

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

```
.background{ background-color:#87C5E2 }
```

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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