

# Converting Colors

Hex(86A5DB)

Have a look what the booklet for  
Hex(86A5DB) contains.

<b>Hex(86A5DB)</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(86A5DB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	86A5DB
RGB	134, 165, 219
RGB Percent	53%, 65%, 86%
CMY	0.4745, 0.3529, 0.1412
CMYK	0.39, 0.25, 0.00, 0.14
HSL	218°, 54%, 69%
HSV	218°, 39%, 86%
XYZ	36.0728, 37.0931, 72.2763
YIQ	161.8870, -35.8100, 10.2220

# Conversions

## Conversions Part 2

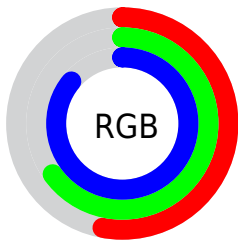
<b>Format</b>	<b>Color</b>
<b>RYB</b>	134, 157, 219
Decimal	8824283
CIELab	67.35, 2.75, -30.76
CIElCh	67, 30.887, 275.115
Yxy	37.0931, 0.2480, 0.2550
Android (android.graphics.Color)	4287014363 (0xFF86A5DB)
YUV	161.8870, 28.1567, -24.4569
Hunter-Lab	60.9041, -0.8585, -27.7279

# Details

The Hex color **86A5DB** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **DBBC86**, and the grayscale version is **A2A2A2**.

A 20% lighter version of the original color is **BEDCFF**, and **5071A4** is the 20% darker color. If you saturate the color by 10%, you get **7097DB**, and if you desaturate by 10%, it is **9CB3DB**.

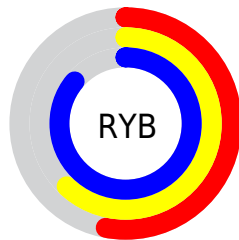
# Distribution



Red (53%)

Green (65%)

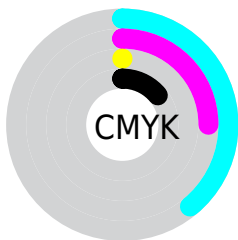
Blue (86%)



Red (53%)

Yellow (62%)

Blue (86%)

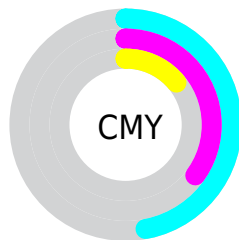


Cyan (39%)

Magenta (25%)

Yellow (0%)

Black (14%)



Cyan (47%)

Magenta (35%)

Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 86A5DB 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 86A5DB by changing the saturation by 10% instead.



 86A5DB

 86A5DB

FFFFFF

 6B8BBF

 BEDCFF

 5071A4

 DAF8FF

 355989

 F7FFFF

 164270

 002C57

 00183F

 000329

 000113

 000000

 86A5DB

 86A5DB

 7097DB

 9CB3DB

 5A89DB

 B2C1DB

 447BDB

 C8CFDB

 2E6DDB

 DEDDDB

 195FDB

 F4EBDB

 0352DB

 FFF8DB

 0050DB

 FFFFDB

# Harmonies

## Analogous

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



5DADD6



86A5DB



AE9BD1

# Triad

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



86A5DB



D99285



74B18C

# Complementary

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



86A5DB



DBBC86

# 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.



94AC76



86A5DB



CB9A72

# Square

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



86A5DB



DA8FA0



B3A46C



55B3A8

# Rectangle

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



86A5DB



C395C4



B3A46C



7FB083

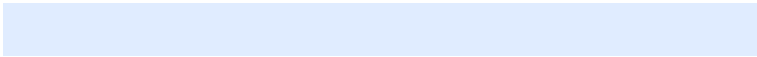


# Sweetspot

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



86A5DB



E0ECFF



86DBBC



6E7480



000000



808080

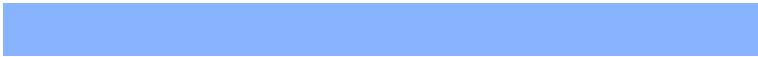


# Same Dimension

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



86A5DB



87B3FF



9186DB



63676E



003FAD



00112E



# Inverse Universe

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



DB86A5



FF87B3



D0DB86



6E6367



AD003F

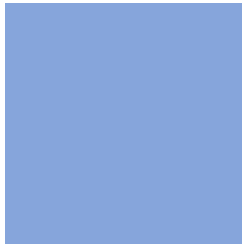


2E0011



# Previews

## White Background



This preview shows how the Hex color 86A5DB looks on a white background.

## Color Contrast Check

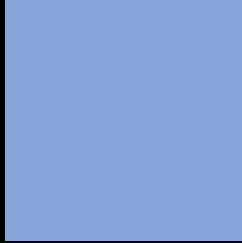
Large Text (above 18pt) WCAG AA × Fail

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 86A5DB 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

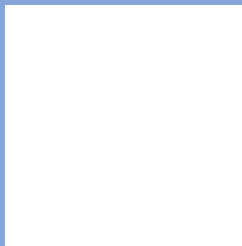
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 86A5DB Background



This preview shows how black text looks on a background with the Hex color 86A5DB.

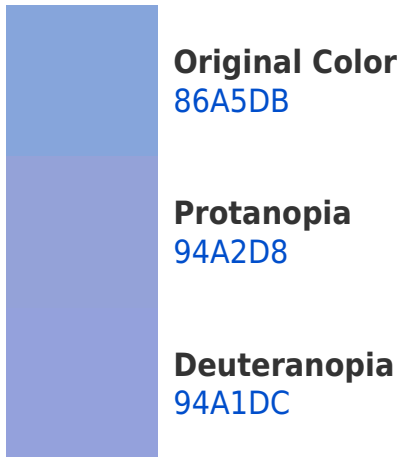


This preview shows how white text looks on a background with the Hex color 86A5DB.

# 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](#).

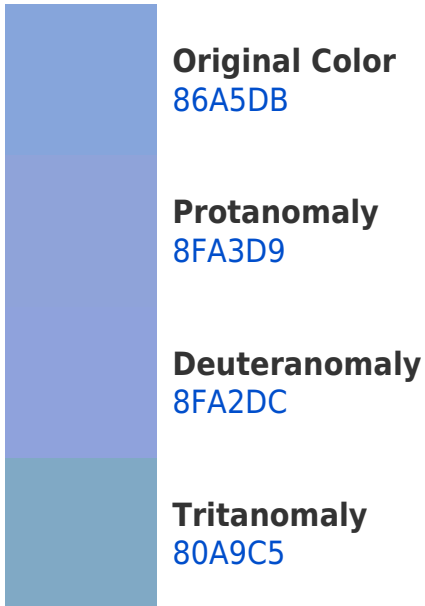
## Dichromacy



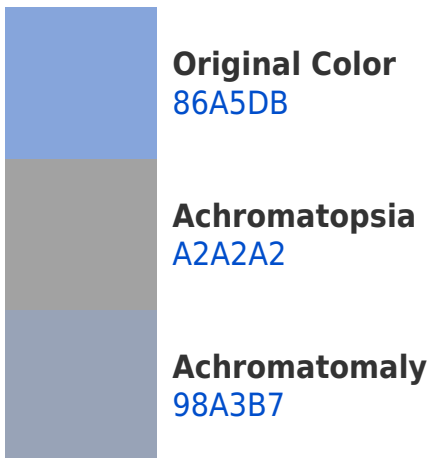


**Tritanopia**  
7DABB9

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 86A5DB 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 #86A5DB looks like.

```
.text, #text, p{  
    color:#86A5DB  
}
```

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 #86A5DB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #86A5DB
}
```

## Border

The CSS property to change the border of an element to Hex 86A5DB 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
#86A5DB }
```

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

```
.border{ border-color:#86A5DB }
```

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

Here you see how a box with a 4 pixel #86A5DB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #86A5DB; -webkit-box-shadow:4px 4px  
4px 4px #86A5DB; box-shadow:4px 4px 4px  
4px #86A5DB }
```

# Background

The CSS property to change the background color of an element to Hex 86A5DB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#86A5DB }
```

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

```
.background{ background-color:#86A5DB }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor