

# Converting Colors

Hex(83A9E2)

Have a look what the booklet for  
Hex(83A9E2) contains.

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# **Color**

**Hex(83A9E2)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | 83A9E2                     |
| RGB         | 131, 169, 226              |
| RGB Percent | 51%, 66%, 89%              |
| CMY         | 0.4863, 0.3373, 0.1137     |
| CMYK        | 0.42, 0.25, 0.00, 0.11     |
| HSL         | 216°, 62%, 70%             |
| HSV         | 216°, 42%, 89%             |
| XYZ         | 37.2755, 38.6922, 77.4552  |
| YIQ         | 164.1360, -40.9450, 9.6710 |

# Conversions

## Conversions Part 2

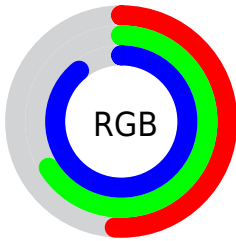
| <b>Format</b>                       | <b>Color</b>                                    |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">131, 158, 226</a>                   |
| Decimal                             | <a href="#">8628706</a>                         |
| CIELab                              | <a href="#">68.53, 1.64, -32.80</a>             |
| CIElCh                              | <a href="#">69, 32.840, 272.867</a>             |
| Yxy                                 | <a href="#">38.6922, 0.2430,<br/>0.2522</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4286818786<br/>(0xFF83A9E2)</a>     |
| YUV                                 | <a href="#">164.1360, 30.4990,<br/>-29.0603</a> |
| Hunter-Lab                          | <a href="#">62.2031, -1.8883,<br/>-30.2857</a>  |

# Details

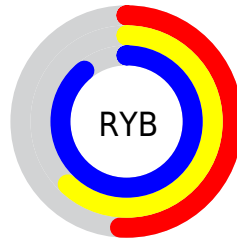
The Hex color **83A9E2** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **E2BC83**, and the grayscale version is **A4A4A4**.

A 20% lighter version of the original color is **BBE0FF**, and **4C75AA** is the 20% darker color. If you saturate the color by 10%, you get **6C9BE2**, and if you desaturate by 10%, it is **9AB7E2**.

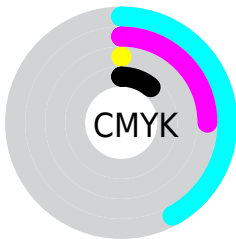
# Distribution



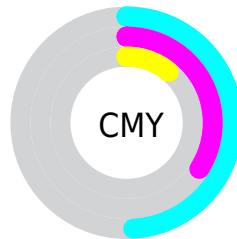
- Red (51%)
- Green (66%)
- Blue (89%)



- Red (51%)
- Yellow (62%)
- Blue (89%)



- Cyan (42%)
- Magenta (25%)
- Yellow (0%)
- Black (11%)



- Cyan (49%)
- Magenta (34%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83A9E2 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 83A9E2 by changing the saturation by 10% instead.



 83A9E2

 83A9E2

FFFFFF

 678FC6

 BBE0FF

 4C75AA

 D8FDFF

 2F5D90

 F5FFFF

 084576

 002F5D

 001B45

 00042E

 000119

 000000

■ 83A9E2

■ 83A9E2

■ 6C9BE2

■ 9AB7E2

■ 568EE2

■ B0C4E2

■ 3F80E2

■ C7D2E2

■ 2973E2

■ DDDFE2

■ 1265E2

■ F4EDE2

■ 005AE2

■ FFFAE2

■ FFFFE2

# Harmonies

## Analogous

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



56B1DB



83A9E2



AF9ED9

# Triad

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



83A9E2



E09488



76B58B

# Complementary

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



83A9E2



E2BC83

# 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.



99AF74



83A9E2



D29C73

# Square

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



83A9E2



E091A5



B9A66C



53B7A9

# Rectangle

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



83A9E2



C698CB



B9A66C



82B382

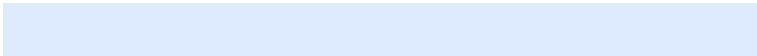


# Sweetspot

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



83A9E2



DEEBFF



83E2BC



6B7380



000000



808080



# Same Dimension

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



83A9E2



80B3FF



8C83E2



656970



0046B0



001330



# Inverse Universe

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



E283A9



FF80B2



D9E283



706569



B00046

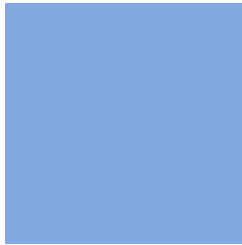


300013



# Previews

## White Background



This preview shows how the Hex color 83A9E2 looks on a white background.

## Color Contrast Check

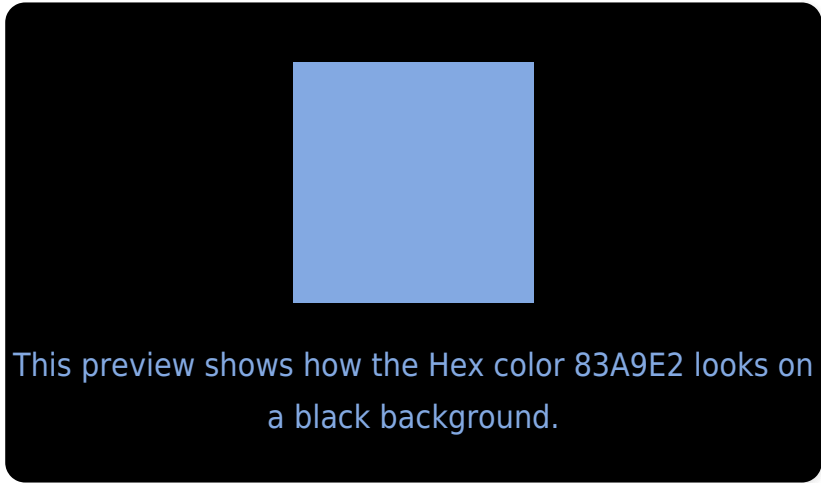
Large Text (above 18pt) WCAG AA × Fail

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

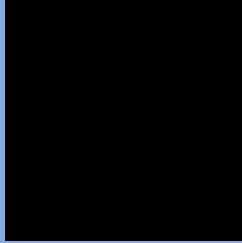
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

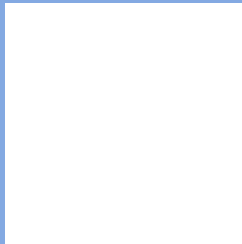
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 83A9E2 Background



This preview shows how black text looks on a background with the Hex color 83A9E2.



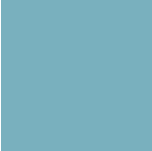
This preview shows how white text looks on a background with the Hex color 83A9E2.

# 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](#).

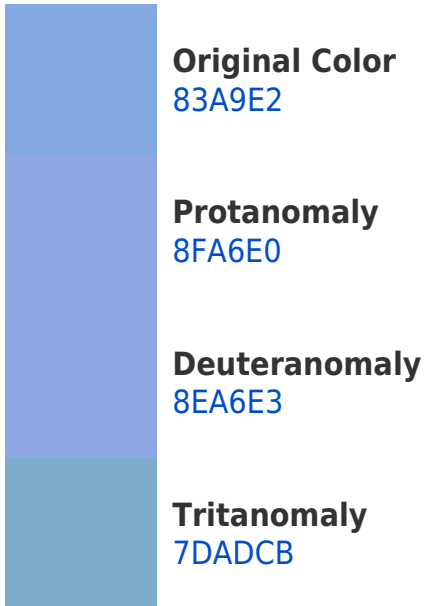
## Dichromacy



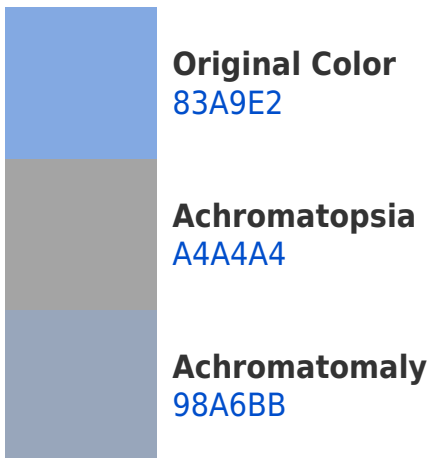


**Tritanopia**  
79B0BE

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83A9E2 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 #83A9E2 looks like.

```
.text, #text, p{  
    color:#83A9E2  
}
```

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 #83A9E2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83A9E2
}
```

## Border

The CSS property to change the border of an element to Hex 83A9E2 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
#83A9E2 }
```

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

```
.border{ border-color:#83A9E2 }
```

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

Here you see how a box with a 4 pixel #83A9E2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83A9E2; -webkit-box-shadow:4px 4px  
4px 4px #83A9E2; box-shadow:4px 4px 4px  
4px #83A9E2 }
```

# Background

The CSS property to change the background color of an element to Hex 83A9E2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83A9E2 }
```

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

```
.background{ background-color:#83A9E2 }
```

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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