

# Converting Colors

Hex(83C2E2)

Have a look what the booklet for  
Hex(83C2E2) contains.

<b>Hex(83C2E2)</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(83C2E2)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83C2E2
RGB	131, 194, 226
RGB Percent	51%, 76%, 89%
CMY	0.4863, 0.2392, 0.1137
CMYK	0.42, 0.14, 0.00, 0.11
HSL	200°, 62%, 70%
HSV	200°, 42%, 89%
XYZ	42.3793, 48.8999, 79.1565
YIQ	178.8110, -47.8200, -3.4040

# Conversions

## Conversions Part 2

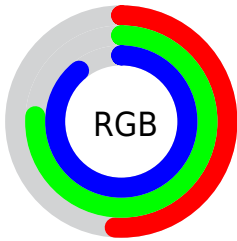
Format	Color
R <sub>Y</sub> B	131, 169, 226
Decimal	8635106
CIE Lab	75.39, -11.94, -22.27
CIE LCh	75, 25.265, 241.805
Yxy	48.8999, 0.2487, 0.2869
Android (android.graphics.Color)	4286825186 (0xFF83C2E2)
YUV	178.8110, 23.2642, -41.9302
Hunter-Lab	69.9284, -14.1969, -18.1643

# Details

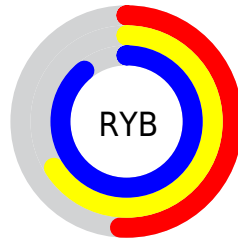
The Hex color **83C2E2** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **E2A383**, and the grayscale version is **B3B3B3**.

A 20% lighter version of the original color is **BBFBFF**, and **4B8CAB** is the 20% darker color. If you saturate the color by 10%, you get **6CBAE2**, and if you desaturate by 10%, it is **9ACAE2**.

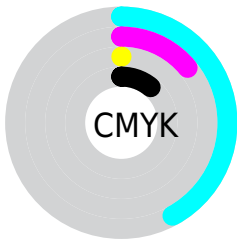
# Distribution



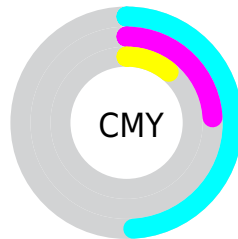
- Red (51%)
- Green (76%)
- Blue (89%)



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



- Cyan (42%)
- Magenta (14%)
- Yellow (0%)
- Black (11%)



- Cyan (49%)
- Magenta (24%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83C2E2 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 83C2E2 by changing the saturation by 10% instead.



 83C2E2

 83C2E2

FFFFFF

 67A7C6

 BBFBFF

 4B8CAB

 D8FFFF

 2E7390

 F6FFFF

 025A76

 00435E

 002D46

 00192F

 00011A

 000000

 83C2E2

 83C2E2

 6CBAE2

 9ACAE2

 56B3E2

 B0D1E2

 3FABE2

 C7D9E2

 29A4E2

 DDE0E2

 129CE2

 F4E8E2

 0096E2

 FFF0E2

 FFF7E2

 FFFF2

# Harmonies

## Analogous

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



76C6D1



83C2E2



9FBBE8

# Triad

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



83C2E2



E7A9B9



B0C092

# Complementary

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



83C2E2



E2A383

# 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.



CAB98B



83C2E2



E8ABA2

# Square

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



83C2E2



D9ACD0



DEB191



96C5A3

# Rectangle

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



83C2E2



B5B6E5



DEB191



B9BE8E

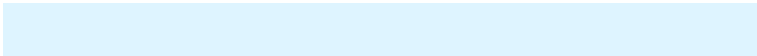


# Sweetspot

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



83C2E2



DEF4FF



83E2A3



6B7980



000000



808080

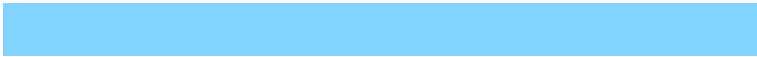


# Same Dimension

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



83C2E2



80D4FF



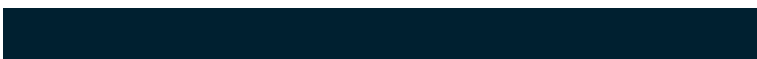
8393E2



656C70



0075B0



002030



# Inverse Universe

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



E283C2



FF80D4



E2D283



70656C



B00075

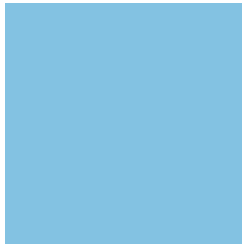


300020



# Previews

## White Background



This preview shows how the Hex color 83C2E2 looks on a white background.

## Color Contrast Check

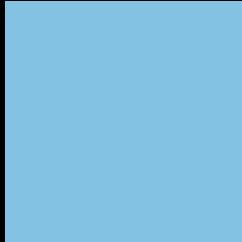
Large Text (above 18pt) WCAG AA × Fail

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 83C2E2 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

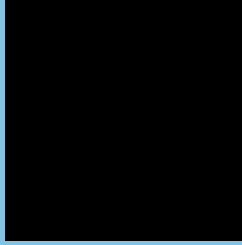
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 83C2E2 Background



This preview shows how black text looks on a background with the Hex color 83C2E2.

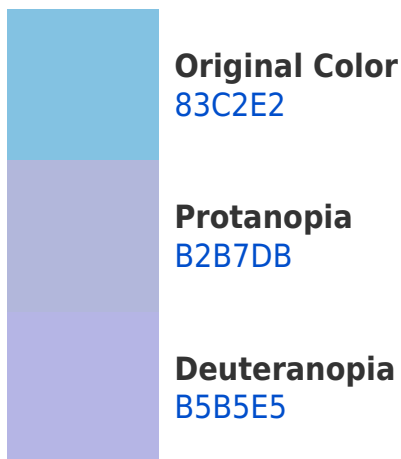


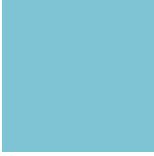
This preview shows how white text looks on a background with the Hex color 83C2E2.

# 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](#).

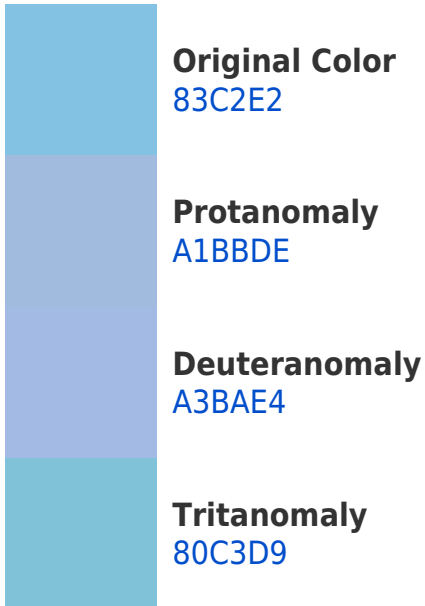
## Dichromacy



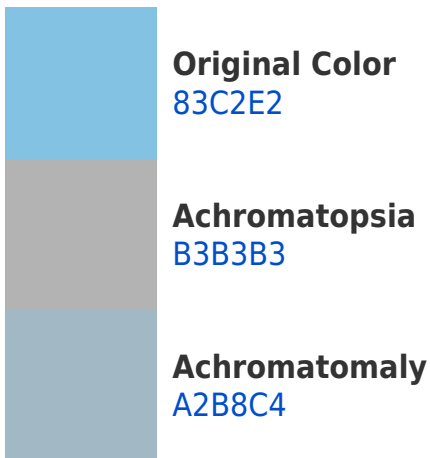


**Tritanopia**  
7FC4D4

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83C2E2 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 #83C2E2 looks like.

```
.text, #text, p{  
    color:#83C2E2  
}
```

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 #83C2E2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83C2E2
}
```

## Border

The CSS property to change the border of an element to Hex 83C2E2 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
#83C2E2 }
```

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

```
.border{ border-color:#83C2E2 }
```

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

Here you see how a box with a 4 pixel #83C2E2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83C2E2; -webkit-box-shadow:4px 4px  
4px 4px #83C2E2; box-shadow:4px 4px 4px  
4px #83C2E2 }
```

# Background

The CSS property to change the background color of an element to Hex 83C2E2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83C2E2 }
```

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

```
.background{ background-color:#83C2E2 }
```

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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