

# Converting Colors

Hex(83C8DE)

Have a look what the booklet for  
Hex(83C8DE) contains.

<b>Hex(83C8DE)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# **Color**

**Hex(83C8DE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83C8DE
RGB	131, 200, 222
RGB Percent	51%, 78%, 87%
CMY	0.4863, 0.2157, 0.1294
CMYK	0.41, 0.10, 0.00, 0.13
HSL	195°, 58%, 69%
HSV	195°, 41%, 87%
XYZ	43.1992, 51.4078, 76.7531
YIQ	181.8770, -48.1860, -7.7860

# Conversions

## Conversions Part 2

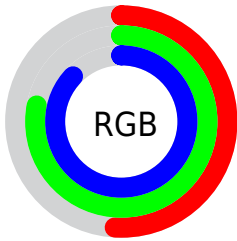
Format	Color
<a href="#">RYB</a>	<a href="#">131, 170, 222</a>
Decimal	<a href="#">8636638</a>
CIELab	<a href="#">76.93, -16.11, -17.78</a>
CIElCh	<a href="#">77, 23.994, 227.817</a>
Yxy	<a href="#">51.4078, 0.2521, 0.3000</a>
Android (android.graphics.Color)	<a href="#">4286826718</a> ( <a href="#">0xFF83C8DE</a> )
YUV	<a href="#">181.8770, 19.7806, -44.6191</a>
Hunter-Lab	<a href="#">71.6992, -17.9264, -13.2797</a>

# Details

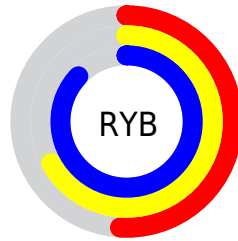
The Hex color **83C8DE** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **DE9983**, and the grayscale version is **B6B6B6**.

A 20% lighter version of the original color is **BBFFFF**, and **4B92A7** is the 20% darker color. If you saturate the color by 10%, you get **6DC3DE**, and if you desaturate by 10%, it is **99CDDE**.

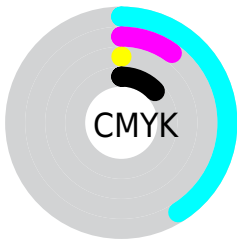
# Distribution



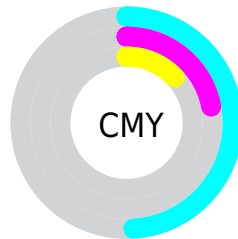
- Red (51%)
- Green (78%)
- Blue (87%)



- Red (51%)
- Yellow (67%)
- Blue (87%)



- Cyan (41%)
- Magenta (10%)
- Yellow (0%)
- Black (13%)



- Cyan (49%)
- Magenta (22%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83C8DE 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 83C8DE by changing the saturation by 10% instead.



 83C8DE

 83C8DE

FFFFFF

 67ADC2

 BBFFFF

 4B92A7

 D8FFFF

 2E788C


 F6FFFF

 035F73

 00485A

 003143

 001D2C

 000118

 000000

83C8DE

83C8DE

6DC3DE

99CDDE

57BDDE

AFD3DE

40B8DE

C6D8DE

2AB3DE

DCDDDE

14ADDE

F2E3DE

00A8DE

FFE8DE

FFEEDE

FFF3DE

FFF8DE

# Harmonies

## Analogous

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



81CBCB



83C8DE



98C3E9

# Triad

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



83C8DE



E5AFC8



C1C193

# Complementary

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



83C8DE



DE9983

# 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.



D7B993



83C8DE



ECAEB1

# Square

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



83C8DE



D2B4DC



E7B29E



A7C7A0

# Rectangle

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



83C8DE



ABBEEA



E7B29E



C9BE92

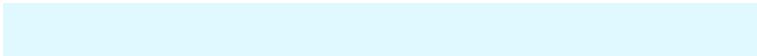


# Sweetspot

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



83C8DE



E0F8FF



83DE98



6E7B80



000000



808080



# Same Dimension

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



83C8DE



82E1FF



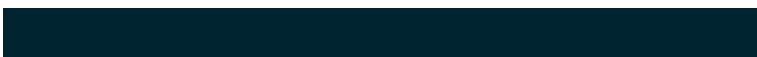
839BDE



656D70



0085B0



002530



# Inverse Universe

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



DE83C8



FF82E1



DEC683



70656D



B00085

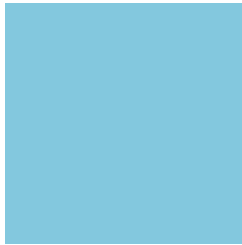


300025



# Previews

## White Background



This preview shows how the Hex color 83C8DE looks on a white background.

## Color Contrast Check

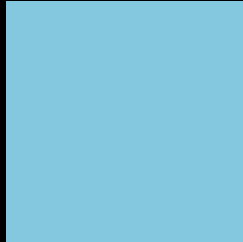
Large Text (above 18pt) WCAG AA × Fail

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 83C8DE 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 83C8DE Background



This preview shows how black text looks on a background with the Hex color 83C8DE.



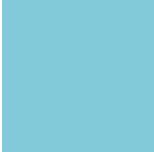
This preview shows how white text looks on a background with the Hex color 83C8DE.

# 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](#).

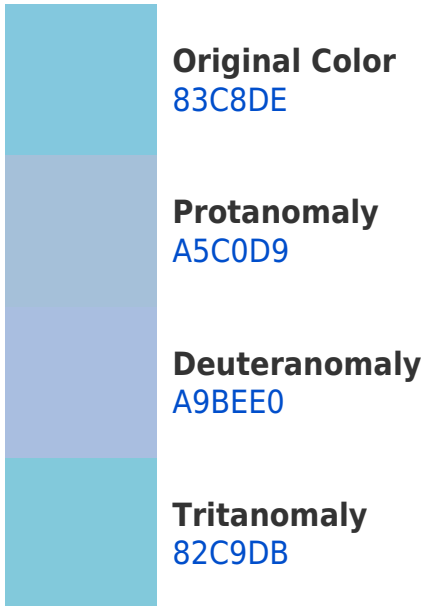
## Dichromacy



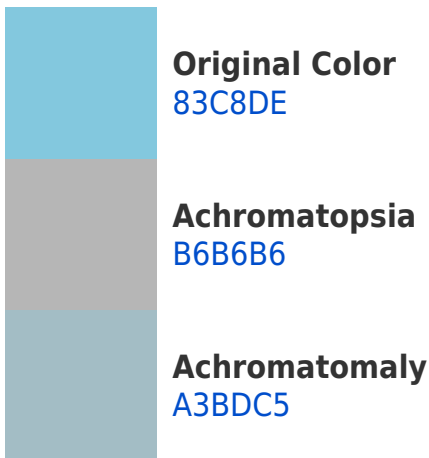


**Tritanopia**  
82C9D9

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83C8DE 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 #83C8DE looks like.

```
.text, #text, p{  
    color:#83C8DE  
}
```

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 #83C8DE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83C8DE
}
```

## Border

The CSS property to change the border of an element to Hex 83C8DE 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
#83C8DE }
```

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

```
.border{ border-color:#83C8DE }
```

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

Here you see how a box with a 4 pixel #83C8DE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83C8DE; -webkit-box-shadow:4px 4px  
4px 4px #83C8DE; box-shadow:4px 4px 4px  
4px #83C8DE }
```

# Background

The CSS property to change the background color of an element to Hex 83C8DE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83C8DE }
```

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

```
.background{ background-color:#83C8DE }
```

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