

Converting Colors

Hex(83DCEB)

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

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

Color

Hex(83DCEB)

Conversions

Conversions Part 1

Format	Color
Hex	83DCEB
RGB	131, 220, 235
RGB Percent	51%, 86%, 92%
CMY	0.4863, 0.1373, 0.0784
CMYK	0.44, 0.06, 0.00, 0.08
HSL	189°, 72%, 72%
HSV	189°, 44%, 92%
XYZ	49.9487, 62.0099, 87.9338
YIQ	195.0990, -57.8590, -14.2030

Conversions

Conversions Part 2

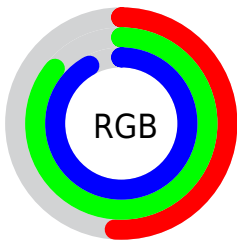
Format	Color
RYB	131, 179, 235
Decimal	8641771
CIELab	82.92, -22.88, -15.70
CIELCh	83, 27.752, 214.453
Yxy	62.0099, 0.2499, 0.3102
Android (android.graphics.Color)	4286831851 (0xFF83DCEB)
YUV	195.0990, 19.6712, -56.2148
Hunter-Lab	78.7463, -24.5838, -11.0850

Details

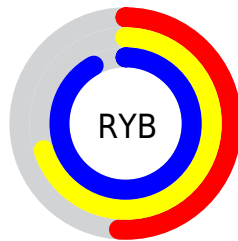
The Hex color **83DCEB** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **EB9283**, and the grayscale version is **C3C3C3**.

A 20% lighter version of the original color is **BDFFFF**, and **49A5B3** is the 20% darker color. If you saturate the color by 10%, you get **6BD9EB**, and if you desaturate by 10%, it is **9ADFEB**.

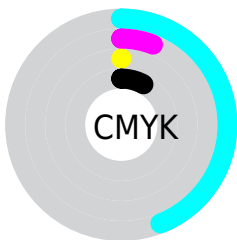
Distribution



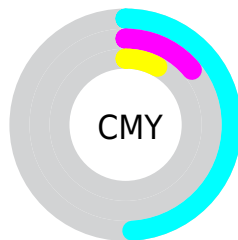
- Red (51%)
- Green (86%)
- Blue (92%)



- Red (51%)
- Yellow (70%)
- Blue (92%)



- Cyan (44%)
- Magenta (6%)
- Yellow (0%)
- Black (8%)



- Cyan (49%)
- Magenta (14%)
- Yellow (8%)

Brightness & Saturation Gradients

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

 83DCEB

 83DCEB

FFFFFF

 66C0CF

 BDFFFF

 49A5B3

 DAFFFF

 278A98

 F8FFFF

 00717F

 005866

 00404E

 002A37

 001321

 000008

 83DCEB

 83DCEB

 6BD9EB

 9ADFEB

 54D5EB

 B2E3EB

 3CD2EB

 CAE6EB

 25CEEb

 E1EAEB

 0ECBEB

 F9EDEB

 00C9EB

 FFF0EB

 FFF4EB

 FFF7EB

 FFFBEB

Harmonies

Analogous

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



8BDDD2



83DCEB



93D7FD

Triad

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



83DCEB



F4BFE5



DECE9B

Complementary

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



83DCEB



EB9283

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.



F5C5A0



83DCEB



FFBCCB

Square

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



83DCEB



D8C6F9



FFBEB2



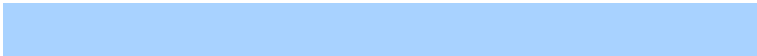
C1D6A3

Rectangle

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



83DCEB



A8D2FF



FFBEB2



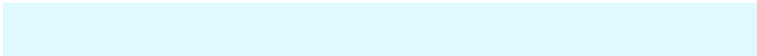
E6CB9B

Sweetspot

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



83DCEB



DEFAFF



83EB91



6B7D80



000000



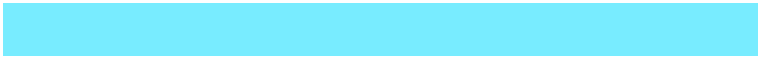
808080

Same Dimension

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



83DCEB



78ECFF



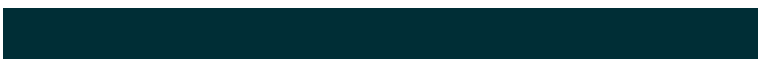
83A9EB



6A7475



009BB5



002E36

Inverse Universe

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



EB83DC



FF78EC



EBC583



756A74



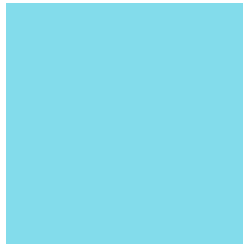
B5009B



36002E

Previews

White Background



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

Color Contrast Check

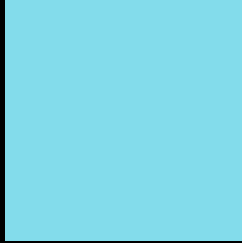
Large Text (above 18pt) WCAG AA × Fail

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 83DCEB 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 83DCEB Background



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



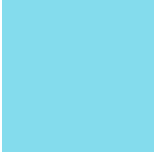
This preview shows how white text looks on a background with the Hex color 83DCEB.

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](#).

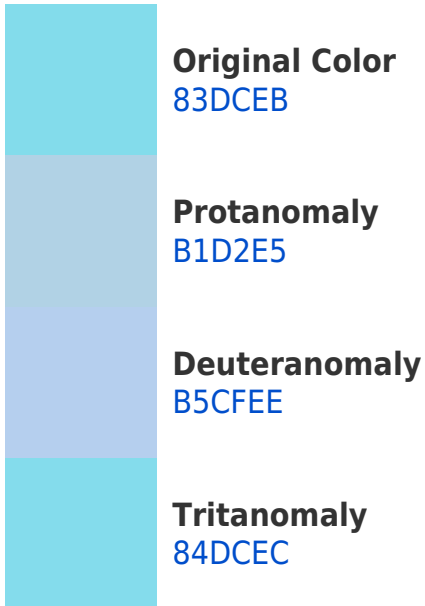
Dichromacy



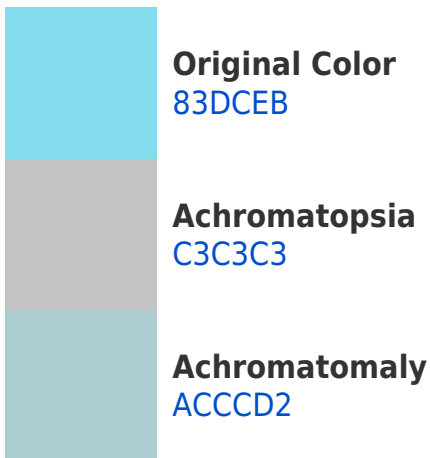


Tritanopia
84DCED

Trichromacy



Monochromacy



CSS Examples

Text

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

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

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 #83DCEB colored shadow looks like.

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

Border

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

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

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

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

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

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

Background

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

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

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

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

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