

# Converting Colors

Hex(83DFDE)

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

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# **Color**

**Hex(83DFDE)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 83DFDE                       |
| RGB         | 131, 223, 222                |
| RGB Percent | 51%, 87%, 87%                |
| CMY         | 0.4863, 0.1255, 0.1294       |
| CMYK        | 0.41, 0.00, 0.00, 0.13       |
| HSL         | 179°, 59%, 69%               |
| HSV         | 179°, 41%, 87%               |
| XYZ         | 48.9326, 62.8746, 78.6642    |
| YIQ         | 195.3780, -54.5110, -19.8150 |

# Conversions

## Conversions Part 2

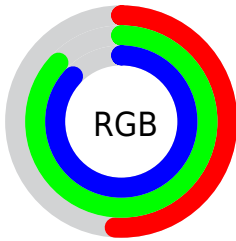
| Format                              | Color   |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">131, 177, 223</a>                   |
| Decimal                             | <a href="#">8642526</a>                         |
| CIELab                              | <a href="#">83.38, -27.61, -8.12</a>            |
| CIElCh                              | <a href="#">83, 28.782, 196.391</a>             |
| Yxy                                 | <a href="#">62.8746, 0.2569,<br/>0.3301</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4286832606<br/>(0xFF83DFDE)</a>     |
| YUV                                 | <a href="#">195.3780, 13.1246,<br/>-56.4595</a> |
| Hunter-Lab                          | <a href="#">79.2935, -28.6100,<br/>-3.3140</a>  |

# Details

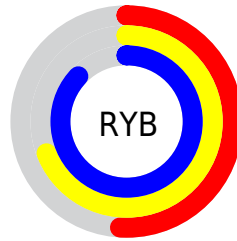
The Hex color **83DFDE** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **DF8384**, and the grayscale version is **C3C3C3**.

A 20% lighter version of the original color is **BCFFFF**, and **49A7A7** is the 20% darker color. If you saturate the color by 10%, you get **6DDFDE**, and if you desaturate by 10%, it is **99DFDE**.

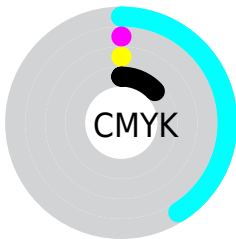
# Distribution



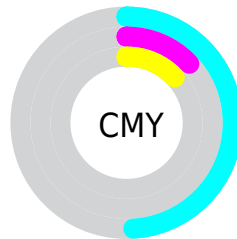
- Red (51%)
- Green (87%)
- Blue (87%)



- Red (51%)
- Yellow (69%)
- Blue (87%)



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



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

# Brightness & Saturation Gradients

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



 83DFDE

 83DFDE

FFFFFF

 67C3C2

 BCFFFF

 49A7A7

 DAFFFF

 298D8D

 F7FFFF

 007373

 005A5B

 004243

 002B2D

 001519

 000000

 83DFDE

 83DFDE

 6DDFDE

 99DFDE

 56DFDE

 B0DFDE

 40DFDD

 C6DFDF

 2ADFDD

 DCDFDF

 13DFDD

 F3DFDF

 00DFDD

 FFDfdf

 FFDfE0

# Harmonies

## Analogous

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



98DEC2



83DFDE



84DCF6

# Triad

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



83DFDE



E6C4F5



EFCA9C

# Complementary

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



83DFDE



DF8384

# 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.



FFC1AA



83DFDE



FEBDDD

# Square

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



83DFDE



C3CFFF



FFBCC2



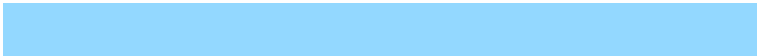
D4D39C

# Rectangle

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



83DFDE



93D8FF



FFBCC2



F6C79F



# Sweetspot

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



83DFDE



E0FFFF



85DF83



6E807F



000000



808080



# Same Dimension

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



83DFDE



80FFFE



83B3DF



657070



00B0AE



003030



# Inverse Universe

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



DF8384



FF8081



DFAF83



706565



B00002

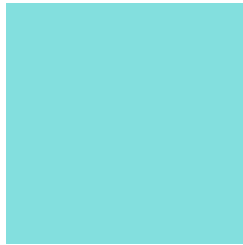


300001



# Previews

## White Background



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

## Color Contrast Check

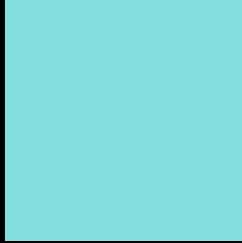
Large Text (above 18pt) WCAG AA × Fail

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 83DFDE looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

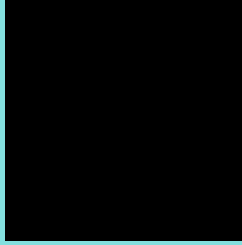
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 83DFDE Background



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

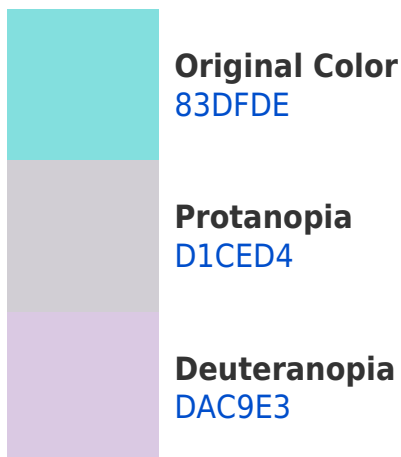


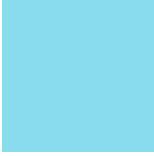
This preview shows how white text looks on a background with the Hex color 83DFDE.

# 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



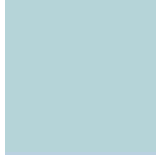


**Tritanopia**  
88DCEE

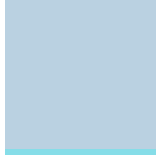
# Trichromacy



**Original Color**  
83DFDE



**Protanomaly**  
B5D4D8



**Deuteranomaly**  
BAD1E1

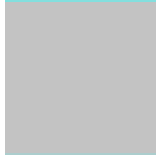


**Tritanomaly**  
86DDE8

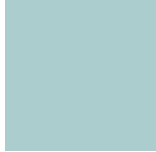
# Monochromacy



**Original Color**  
83DFDE



**Achromatopsia**  
C3C3C3



**Achromatomaly**  
ACCD CD

# CSS Examples

## Text

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

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

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 #83DFDE colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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