

# Converting Colors

Hex(85DFD7)

Have a look what the booklet for  
Hex(85DFD7) contains.

<b>Hex(85DFD7)</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(85DFD7)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85DFD7
RGB	133, 223, 215
RGB Percent	52%, 87%, 84%
CMY	0.4784, 0.1255, 0.1569
CMYK	0.40, 0.00, 0.04, 0.13
HSL	175°, 58%, 70%
HSV	175°, 40%, 87%
XYZ	48.3263, 62.6682, 73.8391
YIQ	195.1780, -51.0720, -21.5680

# Conversions

## Conversions Part 2

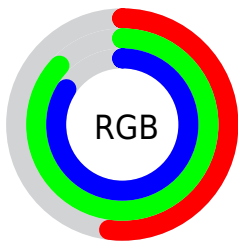
<b>Format</b>	<b>Color</b>
<b>RYB</b>	133, 180, 223
Decimal	8773591
CIELab	83.27, -28.80, -4.56
CIElCh	83, 29.164, 189.001
Yxy	62.6682, 0.2615, 0.3391
Android (android.graphics.Color)	4286963671 (0xFF85DFD7)
YUV	195.1780, 9.7722, -54.5301
Hunter-Lab	79.1632, -29.5679, 0.1118

# Details

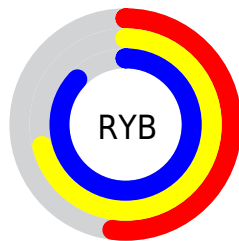
The Hex color **85DFD7** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **DF858D**, and the grayscale version is **C3C3C3**.

A 20% lighter version of the original color is **BEFFFF**, and **4CA7A0** is the 20% darker color. If you saturate the color by 10%, you get **6FDFD5**, and if you desaturate by 10%, it is **9BDFD9**.

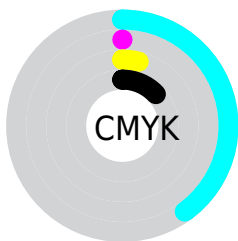
# Distribution



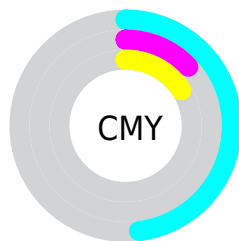
- Red (52%)
- Green (87%)
- Blue (84%)



- Red (52%)
- Yellow (71%)
- Blue (87%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (13%)



- Cyan (48%)
- Magenta (13%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 85DFD7 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 85DFD7 by changing the saturation by 10% instead.



 85DFD7

 85DFD7

FFFFFF

 69C3BB

 BEFFFF

 4CA7A0

 DBFFFF

 2E8D86

 F9FFFF

 00736D

 005A55

 00423E

 002B28

 001414

 000000

 85DFD7

 85DFD7

 6FDFD5

 9BDFD9

 58DFD3

 B2DFDB

 42DFD1

 C8DFDD

 2CDFCF

 DEDDFD

 15DFCD

 F4DFE1

 00DFCB

 FFDFE3

 FFDFE5

 FFDFE7

 FFDFE9

# Harmonies

## Analogous

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



9EDDBB



85DFD7



80DDF1

# Triad

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



85DFD7



DEC6FA



F5C79D

# Complementary

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



85DFD7



DF858D

# 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.



FFBFAE



85DFD7



FABEE4

# Square

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



85DFD7



B9CFFF



FFBCC8



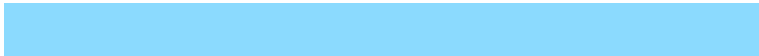
DBD099

# Rectangle

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



85DFD7



8BDAFE



FFBCC8



FBC4A1



# Sweetspot

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



85DFD7



E0FFFC



8EDF85



6E807E



000000



808080



# Same Dimension

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



85DFD7



85FFF4



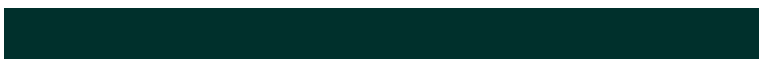
85BBDF



65706F



00B0A0



00302C



# Inverse Universe

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



DF858D



FF858F



DFA985



706566



B00010

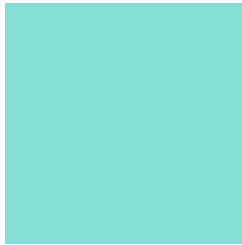


300004



# Previews

## White Background



This preview shows how the Hex color 85DFD7 looks on a white background.

## Color Contrast Check

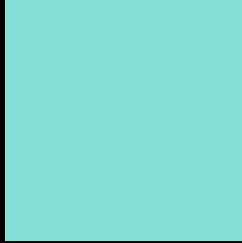
Large Text (above 18pt) WCAG AA × Fail

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 85DFD7 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 85DFD7 Background



This preview shows how black text looks on a background with the Hex color 85DFD7.

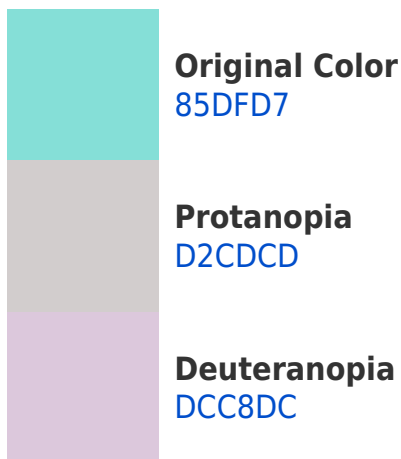


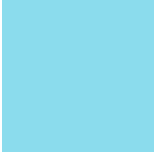
This preview shows how white text looks on a background with the Hex color 85DFD7.

# 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](#).

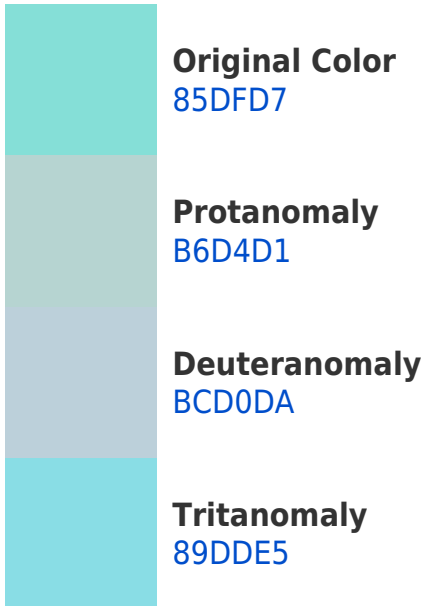
## Dichromacy



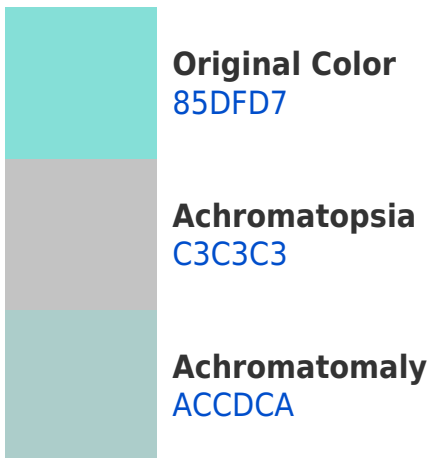


**Tritanopia**  
8BDCED

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 85DFD7 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 #85DFD7 looks like.

```
.text, #text, p{  
    color:#85DFD7  
}
```

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 #85DFD7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #85DFD7
}
```

## Border

The CSS property to change the border of an element to Hex 85DFD7 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
#85DFD7 }
```

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

```
.border{ border-color:#85DFD7 }
```

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

Here you see how a box with a 4 pixel #85DFD7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #85DFD7; -webkit-box-shadow:4px 4px  
4px 4px #85DFD7; box-shadow:4px 4px 4px  
4px #85DFD7 }
```

# Background

The CSS property to change the background color of an element to Hex 85DFD7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#85DFD7 }
```

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

```
.background{ background-color:#85DFD7 }
```

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