

# Converting Colors

Hex(83CD96)

Have a look what the booklet for  
Hex(83CD96) contains.

|  |    |
|--|----|
| <b>Hex(83CD96)</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(83CD96)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 83CD96                       |
| RGB         | 131, 205, 150                |
| RGB Percent | 51%, 80%, 59%                |
| CMY         | 0.4863, 0.1961, 0.4118       |
| CMYK        | 0.36, 0.00, 0.27, 0.20       |
| HSL         | 135°, 43%, 66%               |
| HSV         | 135°, 36%, 80%               |
| XYZ         | 36.6964, 50.6899, 36.7042    |
| YIQ         | 176.6040, -26.4490, -32.7930 |

# Conversions

## Conversions Part 2

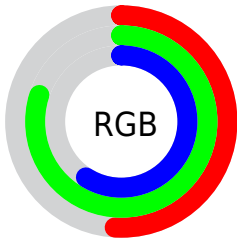
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">131, 190, 205</a>                                |
| Decimal                             | <a href="#">8637846</a>                                      |
| CIELab                              | <a href="#">76.49, -34.59, 20.27</a>                         |
| CIELCh                              | <a href="#">76, 40.091, 149.621</a>                          |
| Yxy                                 | <a href="#">50.6899, 0.2957, 0.4085</a>                      |
| Android<br>(android.graphics.Color) | <a href="#">4286827926</a><br>( <a href="#">0xFF83CD96</a> ) |
| YUV                                 | <a href="#">176.6040, -13.1158, -39.9947</a>                 |
| Hunter-Lab                          | <a href="#">71.1969, -32.5917, 19.2720</a>                   |

# Details

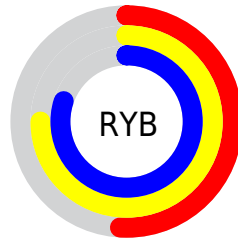
The Hex color **83CD96** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **CD83BA**, and the grayscale version is **B1B1B1**.

A 20% lighter version of the original color is **BAFFCC**, and **4E9663** is the 20% darker color. If you saturate the color by 10%, you get **6ECD87**, and if you desaturate by 10%, it is **97CDA5**.

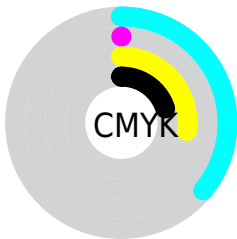
# Distribution



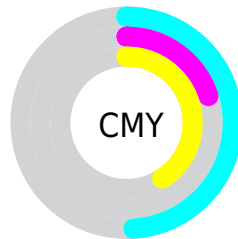
- Red (51%)
- Green (80%)
- Blue (59%)



- Red (51%)
- Yellow (75%)
- Blue (80%)



- Cyan (36%)
- Magenta (0%)
- Yellow (27%)
- Black (20%)



- Cyan (49%)
- Magenta (20%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83CD96 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 83CD96 by changing the saturation by 10% instead.





83CD96



83CD96

FFFFFF



68B17C



BAFFCC



4E9663



D7FFE9



337C4B



F4FFFF



156334



004A1E



003307



001F00



000000



83CD96



83CD96

 6ECD87

 97CDA5

 5ACD78

 ACCDB4

 45CD68

 C1CDC4

 31CD59

 D5CDD3

 1CCD4A

 EACDE2

 08CD3B

 FECDF1

 00CD35

 FFCDFE

# Harmonies

## Analogous

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



AFC57B



83CD96



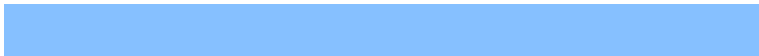
51D0BB

# Triad

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



83CD96



86C0FF



FFA39A

# Complementary

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



83CD96



CD83BA

# 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.



FFA0BF



83CD96



C0B3FD

# Square

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



83CD96



45CAFC



EBA7E3



F3AD7E

# Rectangle

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



83CD96



2FD0D4



EBA7E3



FFA1A6

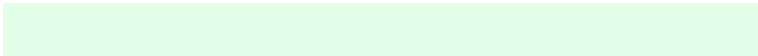


# Sweetspot

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



83CD96



E3FFEA



BBCD83



6F8073



000000



808080

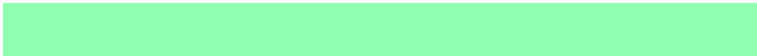


# Same Dimension

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



83CD96



91FFAE



83CDBB



5C665E



00A62B



00260A



# Inverse Universe

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



CD83BA



FF91E3



CD8396



665C63



A6007B

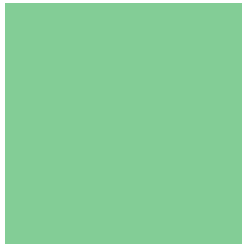


26001C



# Previews

## White Background



This preview shows how the Hex color 83CD96 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 83CD96 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

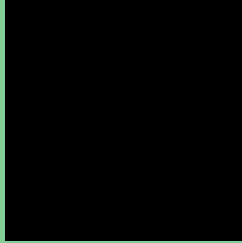
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 83CD96 Background



This preview shows how black text looks on a background with the Hex color 83CD96.

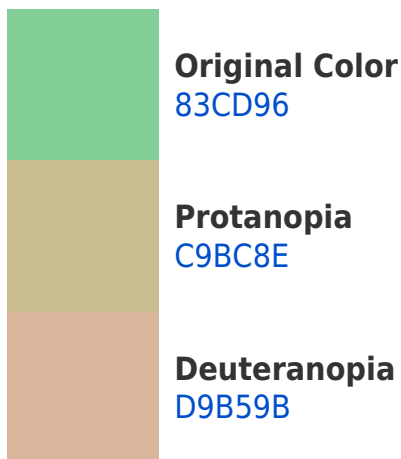


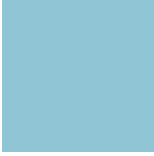
This preview shows how white text looks on a background with the Hex color 83CD96.

# 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](#).

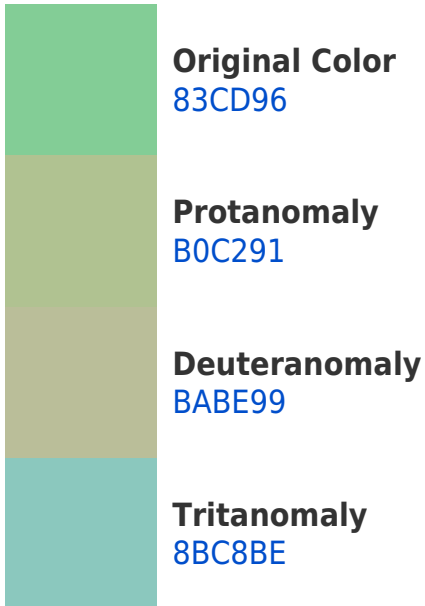
## Dichromacy



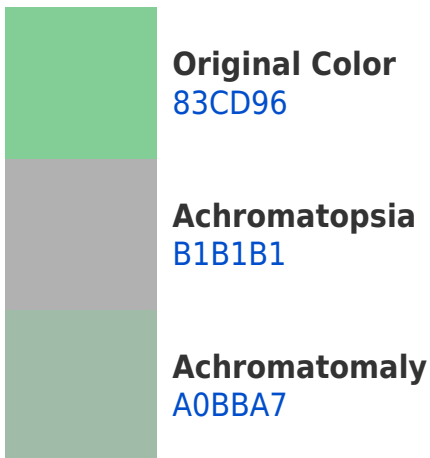


**Tritanopia**  
90C5D5

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83CD96 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 #83CD96 looks like.

```
.text, #text, p{  
    color:#83CD96  
}
```

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 #83CD96 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83CD96
}
```

## Border

The CSS property to change the border of an element to Hex 83CD96 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
#83CD96 }
```

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

```
.border{ border-color:#83CD96 }
```

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

Here you see how a box with a 4 pixel #83CD96 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83CD96; -webkit-box-shadow:4px 4px  
4px 4px #83CD96; box-shadow:4px 4px 4px  
4px #83CD96 }
```

# Background

The CSS property to change the background color of an element to Hex 83CD96 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83CD96 }
```

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

```
.background{ background-color:#83CD96 }
```

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