

# Converting Colors

Hex(83D0A8)

Have a look what the booklet for  
Hex(83D0A8) contains.

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**Color**

**Hex(83D0A8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83D0A8
RGB	131, 208, 168
RGB Percent	51%, 82%, 66%
CMY	0.4863, 0.1843, 0.3412
CMYK	0.37, 0.00, 0.19, 0.18
HSL	149°, 45%, 66%
HSV	149°, 37%, 82%
XYZ	38.9838, 52.7642, 45.1756
YIQ	180.4170, -33.0520, -28.7640

# Conversions

## Conversions Part 2

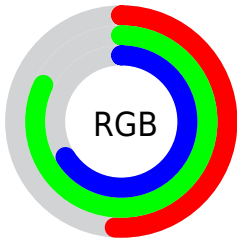
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 183, 208
Decimal	8638632
CIELab	77.74, -32.54, 12.44
CIElCh	78, 34.837, 159.071
Yxy	52.7642, 0.2847, 0.3854
Android (android.graphics.Color)	4286828712 (0xFF83D0A8)
YUV	180.4170, -6.1216, -43.3387
Hunter-Lab	72.6390, -31.3209, 13.9736

# Details

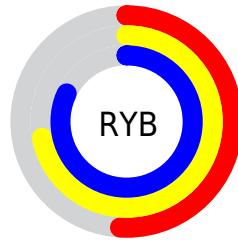
The Hex color **83D0A8** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **D083AB**, and the grayscale version is **B4B4B4**.

A 20% lighter version of the original color is **BAFFDF**, and **4D9974** is the 20% darker color. If you saturate the color by 10%, you get **6ED09D**, and if you desaturate by 10%, it is **98D0B3**.

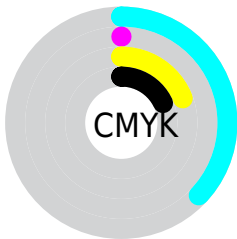
# Distribution



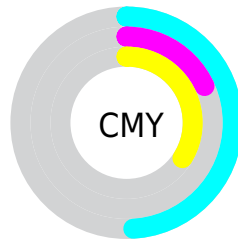
- Red (51%)
- Green (82%)
- Blue (66%)



- Red (51%)
- Yellow (72%)
- Blue (82%)



- Cyan (37%)
- Magenta (0%)
- Yellow (19%)
- Black (18%)



- Cyan (49%)
- Magenta (18%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83D0A8 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 83D0A8 by changing the saturation by 10% instead.





83D0A8



83D0A8

FFFFFF



68B48E



BAFFDF



4D9974



D7FFFC



327F5B



F4FFFF



136544



004D2D



003518



002200



000000



83D0A8



83D0A8

 6ED09D

 98D0B3

 59D092

 ADD0BE

 45D088

 C1D0C8

 30D07D

 D6D0D3

 1BD072

 EBD0DE

 06D067

 FFD0E9

 00D064

 FFD0F4

 FFD0FE

 FFD0FF

# Harmonies

## Analogous

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



A9CA8D



83D0A8



60D2C9

# Triad

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



83D0A8



A4C0FF



FDAC99

# Complementary

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



83D0A8



D083AB

# 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.



FFA8B7



83D0A8



D1B4F2

# Square

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



83D0A8



73CAFC



F1ABD8



EAB684

# Rectangle

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



83D0A8



53D1DE



F1ABD8



FFAAA2

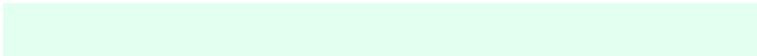


# Sweetspot

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



83D0A8



E3FFF0



ACD083



6F8077



000000



808080



# Same Dimension

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



83D0A8



8FFFC5



83D0CD



5E6963



00A851



002914



# Inverse Universe

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



D083AB



FF8FC9



D08386



695E64



A80057



290015



# Previews

## White Background



This preview shows how the Hex color 83D0A8 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 83D0A8 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

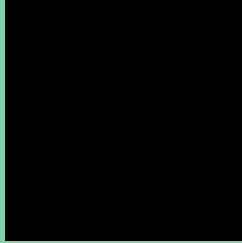
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 83D0A8 Background



This preview shows how black text looks on a background with the Hex color 83D0A8.

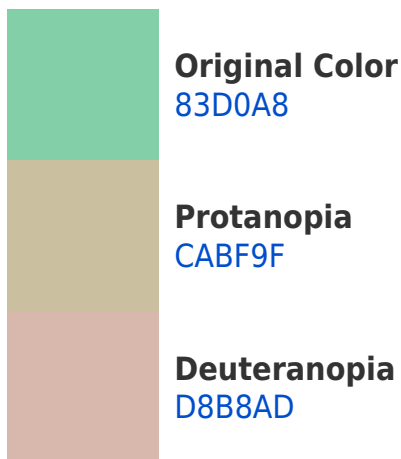


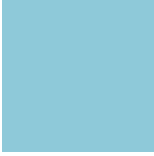
This preview shows how white text looks on a background with the Hex color 83D0A8.

# 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**  
8EC9D9

# Trichromacy



**Original Color**  
83D0A8



**Protanomaly**  
B0C5A2



**Deuteranomaly**  
B9C1AB

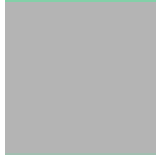


**Tritanomaly**  
8ACCC7

# Monochromacy



**Original Color**  
83D0A8



**Achromatopsia**  
B4B4B4



**Achromatomaly**  
A2BEB0

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83D0A8 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 #83D0A8 looks like.

```
.text, #text, p{  
    color:#83D0A8  
}
```

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 #83D0A8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83D0A8
}
```

## Border

The CSS property to change the border of an element to Hex 83D0A8 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
#83D0A8 }
```

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

```
.border{ border-color:#83D0A8 }
```

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

Here you see how a box with a 4 pixel #83D0A8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83D0A8; -webkit-box-shadow:4px 4px  
4px 4px #83D0A8; box-shadow:4px 4px 4px  
4px #83D0A8 }
```

# Background

The CSS property to change the background color of an element to Hex 83D0A8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83D0A8 }
```

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

```
.background{ background-color:#83D0A8 }
```

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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