

# Converting Colors

Hex(83DEA1)

Have a look what the booklet for  
Hex(83DEA1) contains.

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# Color

**Hex(83DEA1)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>                 |
|---------------|------------------------------|
| Hex           | 83DEA1                       |
| RGB           | 131, 222, 161                |
| RGB Percent   | 51%, 87%, 63%                |
| CMY           | 0.4863, 0.1294, 0.3686       |
| CMYK          | 0.41, 0.00, 0.27, 0.13       |
| HSL           | 140°, 58%, 69%               |
| HSV           | 140°, 41%, 87%               |
| XYZ           | 41.9144, 59.6411, 43.0210    |
| YIQ           | 187.8370, -34.6550, -38.2630 |

# Conversions

## Conversions Part 2

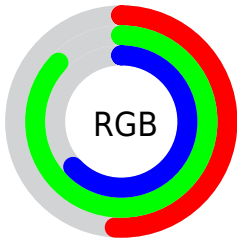
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">131, 199, 222</a>                    |
| Decimal                             | <a href="#">8642209</a>                          |
| CIELab                              | <a href="#">81.64, -40.29, 21.59</a>             |
| CIElCh                              | <a href="#">82, 45.715, 151.816</a>              |
| Yxy                                 | <a href="#">59.6411, 0.2899,<br/>0.4125</a>      |
| Android<br>(android.graphics.Color) | <a href="#">4286832289<br/>(0xFF83DEA1)</a>      |
| YUV                                 | <a href="#">187.8370, -13.2306,<br/>-49.8460</a> |
| Hunter-Lab                          | <a href="#">77.2276, -38.2696,<br/>21.0308</a>   |

# Details

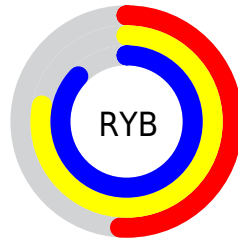
The Hex color **83DEA1** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **DE83C0**, and the grayscale version is **BCBCBC**.

A 20% lighter version of the original color is **BBFFD8**, and **4CA66D** is the 20% darker color. If you saturate the color by 10%, you get **6DDE92**, and if you desaturate by 10%, it is **99DEB0**.

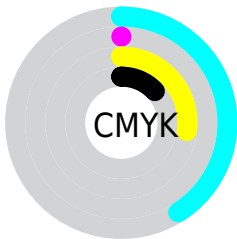
# Distribution



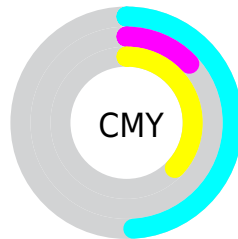
- Red (51%)
- Green (87%)
- Blue (63%)



- Red (51%)
- Yellow (78%)
- Blue (87%)



- Cyan (41%)
- Magenta (0%)
- Yellow (27%)
- Black (13%)



- Cyan (49%)
- Magenta (13%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83DEA1 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 83DEA1 by changing the saturation by 10% instead.



 83DEA1

 83DEA1

FFFFFF

 67C287

 BBFFD8

 4CA66D

 D8FFF5

 2E8B55

 F6FFFF

 06713D

 005826

 004011

 002A00

 000B00

 000000

 83DEA1

 83DEA1

 6DDE92

 99DEB0

 57DE83

 AFDEBF

 40DE74

 C6DECE

 2ADE65

 DCDEDD

 14DE57

 F2DEEB

 00DE49

 FFDEFA

 FFDEFF

# Harmonies

## Analogous

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



B7D680



83DEA1



41E2CC

# Triad

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



83DEA1



8FCEFF



FFADA0

# Complementary

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



83DEA1



DE83C0

# 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.



FFA9CA



83DEA1



D3BFFF

# Square

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



83DEA1



35DAFF



FFB0F4



FFBA80

# Rectangle

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



83DEA1



00E1E9



FFB0F4



FFABAD

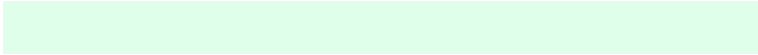


# Sweetspot

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



83DEA1



E0FFEA



C1DE83



6E8074



000000



808080

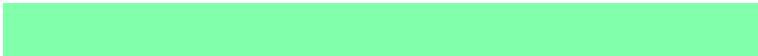


# Same Dimension

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



83DEA1



82FFAB



83DECD



657069



00B03A



003010



# Inverse Universe

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



DE83C0



FF82D6



DE8394



70656D



B00076

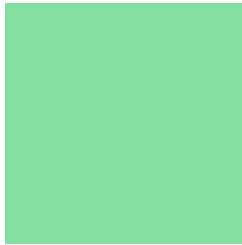


300020



# Previews

## White Background



This preview shows how the Hex color 83DEA1 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 83DEA1 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

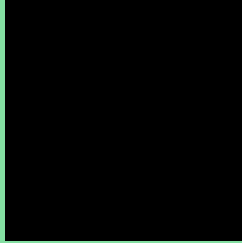
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 83DEA1 Background



This preview shows how black text looks on a background with the Hex color 83DEA1.

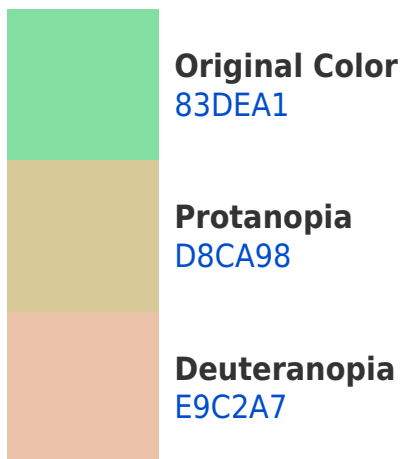


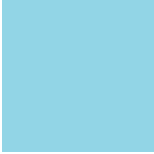
This preview shows how white text looks on a background with the Hex color 83DEA1.

# 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**  
92D5E6

# Trichromacy



**Original Color**  
83DEA1



**Protanomaly**  
B9D19B



**Deuteranomaly**  
C4CCA5



**Tritanomaly**  
8DD8CD

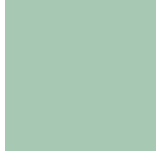
# Monochromacy



**Original Color**  
83DEA1



**Achromatopsia**  
BCBCBC



**Achromatomaly**  
A7C8B2

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83DEA1 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 #83DEA1 looks like.

```
.text, #text, p{  
    color:#83DEA1  
}
```

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 #83DEA1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83DEA1
}
```

## Border

The CSS property to change the border of an element to Hex 83DEA1 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
#83DEA1 }
```

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

```
.border{ border-color:#83DEA1 }
```

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

Here you see how a box with a 4 pixel #83DEA1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83DEA1; -webkit-box-shadow:4px 4px  
4px 4px #83DEA1; box-shadow:4px 4px 4px  
4px #83DEA1 }
```

# Background

The CSS property to change the background color of an element to Hex 83DEA1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83DEA1 }
```

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

```
.background{ background-color:#83DEA1 }
```

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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