

# Converting Colors

Hex(83DEC0)

Have a look what the booklet for  
Hex(83DEC0) contains.

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# **Color**

**Hex(83DEC0)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83DEC0
RGB	131, 222, 192
RGB Percent	51%, 87%, 75%
CMY	0.4863, 0.1294, 0.2471
CMYK	0.41, 0.00, 0.14, 0.13
HSL	160°, 58%, 69%
HSV	160°, 41%, 87%
XYZ	44.9958, 60.8736, 59.2474
YIQ	191.3710, -44.6060, -28.6220

# Conversions

## Conversions Part 2

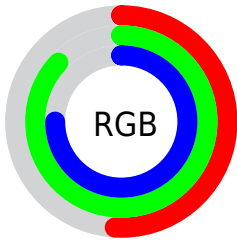
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 185, 222
Decimal	8642240
CIELab	82.31, -34.07, 6.22
CIELCh	82, 34.631, 169.651
Yxy	60.8736, 0.2725, 0.3687
Android (android.graphics.Color)	4286832320 (0xFF83DEC0)
YUV	191.3710, 0.3101, -52.9454
Hunter-Lab	78.0215, -33.5950, 9.5919

# Details

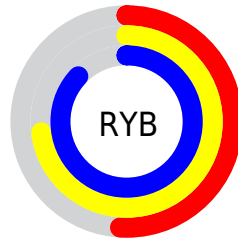
The Hex color **83DEC0** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **DE83A1**, and the grayscale version is **BFBFBF**.

A 20% lighter version of the original color is **BCFFF8**, and **4BA68B** is the 20% darker color. If you saturate the color by 10%, you get **6DDEB9**, and if you desaturate by 10%, it is **99DEC7**.

# Distribution



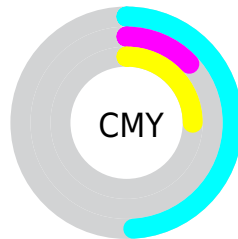
- Red (51%)
- Green (87%)
- Blue (75%)



- Red (51%)
- Yellow (73%)
- Blue (87%)



- Cyan (41%)
- Magenta (0%)
- Yellow (14%)
- Black (13%)



- Cyan (49%)
- Magenta (13%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83DEC0 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 83DEC0 by changing the saturation by 10% instead.



 83DEC0

 83DEC0

FFFFFF

 67C2A5

 BCFFF8

 4BA68B

 D8FFFF

 2E8C71

 F6FFFF

 027259

 005941

 00412B

 002A17

 000F00

 000000

 83DEC0

 83DEC0

 6DDEB9

 99DEC7

 57DEB1

 AFDECF

 40DEAA

 C6DED6

 2ADEA3

 DCDEDD

 14DE9B

 F2DEE5

 00DE95

 FFDEEC

 FFDEF3

 FFDEFB

 FFDEFF

# Harmonies

## Analogous

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



A9DAA2



83DEC0



67DFE1

# Triad

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



83DEC0



C2C8FF



FFBC9D

# Complementary

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



83DEC0



DE83A1

# 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.



FFB5B8



83DEC0



EBBDF7

# Square

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



83DEC0



92D3FF



FFB6D9



EEC78D

# Rectangle

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



83DEC0



65DDF5



FFB6D9



FFB9A5

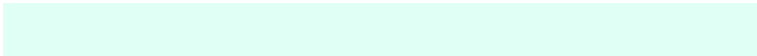


# Sweetspot

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



83DEC0



E0FFF5



A1DE83



6E807A



000000



808080

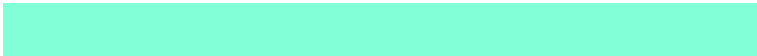


# Same Dimension

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



83DEC0



82FFD6



83CFDE



65706D



00B076



003020



# Inverse Universe

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



DE83A1



FF82AB



DE9283



706569



B0003A



300010



# Previews

## White Background



This preview shows how the Hex color 83DEC0 looks on a white background.

## Color Contrast Check

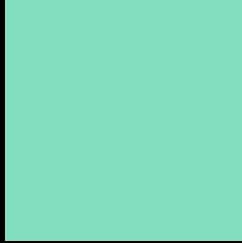
Large Text (above 18pt) WCAG AA × Fail

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 83DEC0 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

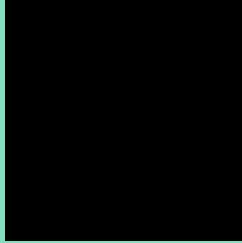
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 83DEC0 Background



This preview shows how black text looks on a background with the Hex color 83DEC0.

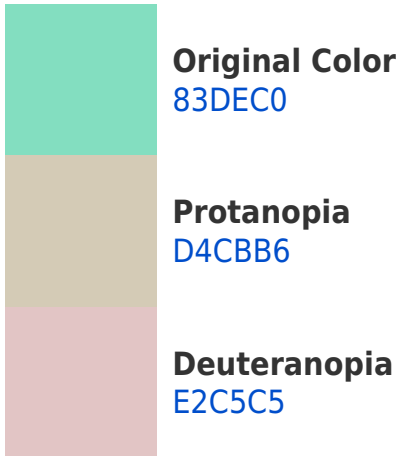


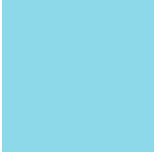
This preview shows how white text looks on a background with the Hex color 83DEC0.

# 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](#).

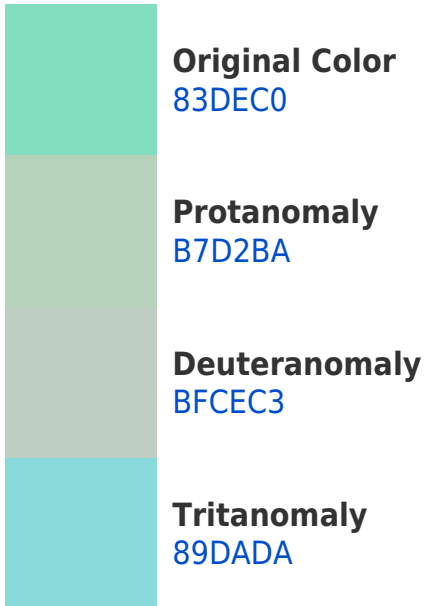
## Dichromacy



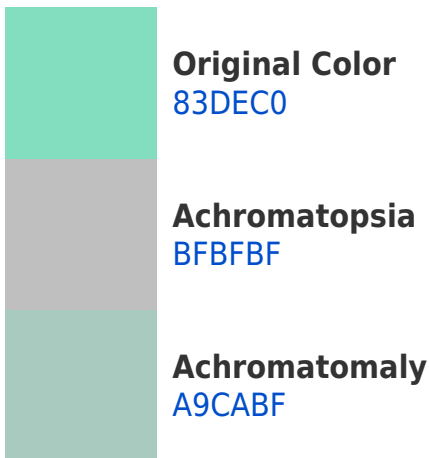


**Tritanopia**  
8DD8E9

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83DEC0 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 #83DEC0 looks like.

```
.text, #text, p{  
    color:#83DEC0  
}
```

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 #83DEC0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83DEC0  
}
```

## Border

The CSS property to change the border of an element to Hex 83DEC0 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  
#83DEC0 }
```

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

```
.border{ border-color:#83DEC0 }
```

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

Here you see how a box with a 4 pixel #83DEC0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83DEC0; -webkit-box-shadow:4px 4px  
4px 4px #83DEC0; box-shadow:4px 4px 4px  
4px #83DEC0 }
```

# Background

The CSS property to change the background color of an element to Hex 83DEC0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83DEC0 }
```

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

```
.background{ background-color:#83DEC0 }
```

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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