

Converting Colors

CIELCh(85, 33.147, 176.949)

Have a look what the booklet for
CIELCh(85, 33.147, 176.949)
contains.

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Color

CIELCh(85, 33.292, 176.727)

Conversions

Conversions Part 1

Format	Color
Hex	87E6D0
RGB	135, 230, 208
RGB Percent	53%, 90%, 82%
CMY	0.4722, 0.0997, 0.1859
CMYK	0.41, 0.00, 0.10, 0.10
HSL	166°, 65%, 71%
HSV	166°, 41%, 90%
XYZ	49.4372, 66.0070, 69.5426
YIQ	199.0870, -49.5580, -26.9820

Conversions

Conversions Part 2

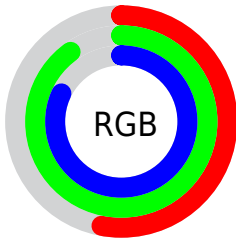
Format	Color
RYB	135, 189, 230
Decimal	8906448
CIELab	85.00, -33.24, 1.90
CIELCh	85, 33.292, 176.727
Yxy	66.0070, 0.2672, 0.3568
Android (android.graphics.Color)	4287096528 (0xFF87E6D0)
YUV	199.0870, 4.3941, -56.2043
Hunter-Lab	81.2447, -33.5615, 6.1212

Details

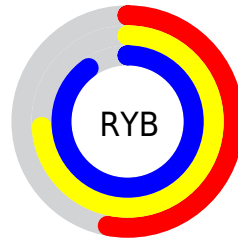
The CIELCh color **85, 33.292, 176.727** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **67, 39.088, 6.125**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 20.509, 198.155**, and **65, 33.274, 177.036** is the 20% darker color. If you saturate the color by 10%, you get **84, 39.981, 175.504**, and if you desaturate by 10%, it is **86, 25.925, 177.848**.

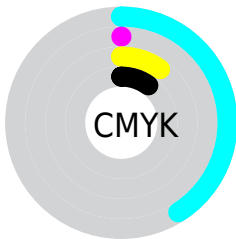
Distribution



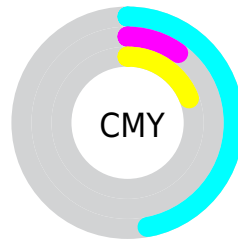
- Red (53%)
- Green (90%)
- Blue (82%)



- Red (53%)
- Yellow (74%)
- Blue (90%)



- Cyan (41%)
- Magenta (0%)
- Yellow (10%)
- Black (10%)





- Cyan (47%)
- Magenta (10%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 33.292, 176.727 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 CIELCh color 85, 33.292, 176.727 by changing the saturation by 10% instead.


 85, 33.292,
176.727

 85, 33.292,
176.727


 100, 33.292,
176.727


 75, 33.292,
176.727

 65, 33.292,
176.727

 55, 33.292,
176.727

 45, 33.292,
176.727

 35, 33.292,
176.727

 25, 33.292,
176.727

 15, 33.292,

176.727

■ 5, 33.292, 176.727

■ 0, 33.292, 176.727

■ 85, 33.292,
176.727

■ 85, 33.292,
176.727

■ 84, 39.981,
175.504

■ 86, 25.925,
177.848

■ 83, 45.857,
174.162

■ 88, 18.024,
178.895

■ 83, 50.824,
172.673

■ 89, 9.734, 179.894

■ 82, 54.839,
171.015

■ 91, 1.186, 181.222

■ 93, 7.504, 1.554

■ 82, 57.936,

169.173

93, 10.441,
350.950

82, 60.036,
167.473

94, 11.980,
339.434

94, 13.900,
330.865

94, 15.885,
324.974

Harmonies

Complementary

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



85, 33.292, 176.727



67, 39.088, 6.125

Rectangle

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



85, 33.292, 176.727



85, 33.292, 226.727



85, 33.292, 356.727



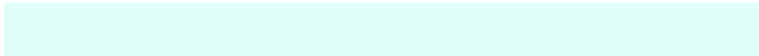
85, 33.292, 46.727

Sweetspot

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



85, 33.293, 176.725



98, 11.169, 179.825



85, 56.036, 135.565



52, 7.396, 179.695



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 33.293, 176.725



92, 42.537, 175.643



79, 24.810, 231.506



47, 4.868, 180.085



65, 49.492, 167.828



18, 19.845, 171.318

Inverse Universe

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



67, 39.088, 6.125



69, 51.788, 7.933



72, 32.853, 45.925



45, 5.037, 1.716



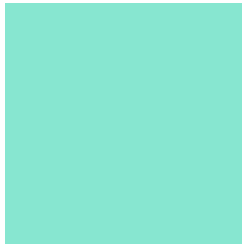
37, 69.612, 26.841



7, 26.646, 12.008

Previews

White Background



This preview shows how the CIELCh color 85, 33.292, 176.727 looks on a white background.

Color Contrast Check

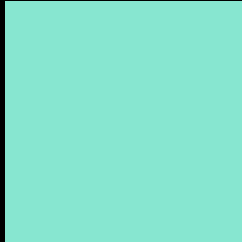
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 85, 33.292, 176.727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

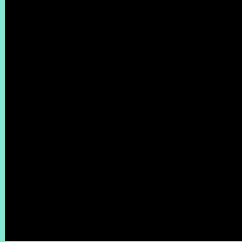
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

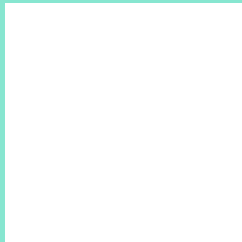
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 33.292, 176.727

Background



This preview shows how black text looks on a background with the CIELCh color 85, 33.292, 176.727.




This preview shows how white text looks on a background with the CIELCh color 85, 33.292, 176.727.

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
85, 26.022, 220.713

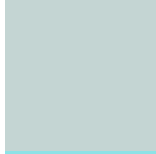
Trichromacy



Original Color
85, 33.292, 176.727



Protanomaly
84, 13.502, 159.902



Deuteranomaly
84, 6.158, 189.174

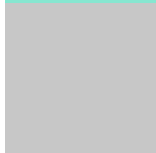


Tritanomaly
85, 26.648, 202.219

Monochromacy



Original Color
85, 33.292, 176.727



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 12.831, 179.141

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 33.292, 176.727 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 `rgb(135, 230, 208)` looks like.

```
.text, #text, p{  
    color:rgb(135, 230, 208)  
}
```

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 rgb(135, 230, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 230, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 33.292, 176.727 is called "border". The border property can be set on classes, ids or directly on the HTML element.

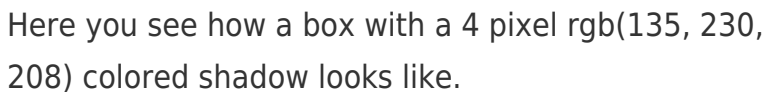
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 230, 208) }
```

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

```
.border{ border-color:rgb(135, 230, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 230, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 230, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 230, 208); box-shadow:4px 4px 4px 4px rgb(135, 230, 208) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 33.292, 176.727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 230, 208) }
```

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

```
.background{ background-color: rgb(135,  
230, 208) }
```

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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