

Converting Colors

CIELCh(85, 31.325, 183.105)

Have a look what the booklet for
CIELCh(85, 31.325, 183.105)
contains.

CIELCh(85, 31.434, 182.645)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(85, 31.434, 182.645)

Conversions

Conversions Part 1

Format	Color
Hex	87E5D6
RGB	135, 229, 214
RGB Percent	53%, 90%, 84%
CMY	0.4708, 0.1022, 0.1610
CMYK	0.41, 0.00, 0.07, 0.10
HSL	170°, 64%, 71%
HSV	170°, 41%, 90%
XYZ	50.1179, 66.0070, 73.6815
YIQ	199.1840, -51.2090, -24.5930

Conversions

Conversions Part 2

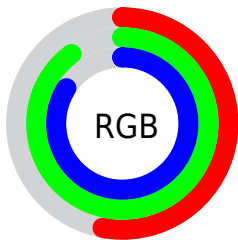
Format	Color
RYB	135, 186, 229
Decimal	8906198
CIELab	85.00, -31.40, -1.45
CIELCh	85, 31.434, 182.645
Yxy	66.0070, 0.2640, 0.3478
Android (android.graphics.Color)	4287096278 (0xFF87E5D6)
YUV	199.1840, 7.3043, -56.2894
Hunter-Lab	81.2447, -32.0659, 3.1007

Details

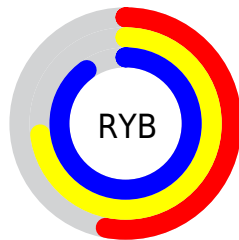
The CIELCh color **85, 31.434, 182.645** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **67, 38.395, 11.500**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 20.509, 198.155**, and **65, 31.508, 182.381** is the 20% darker color. If you saturate the color by 10%, you get **84, 37.590, 181.592**, and if you desaturate by 10%, it is **86, 24.547, 183.631**.

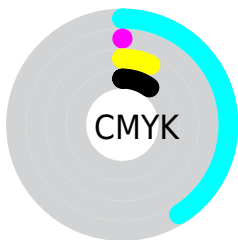
Distribution



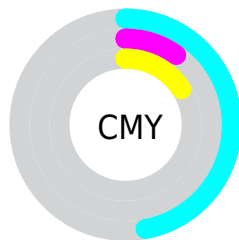
- Red (53%)
- Green (90%)
- Blue (84%)



- Red (53%)
- Yellow (73%)
- Blue (90%)



- Cyan (41%)
- Magenta (0%)
- Yellow (7%)
- Black (10%)





- Cyan (47%)
- Magenta (10%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 31.434, 182.645 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, 31.434, 182.645 by changing the saturation by 10% instead.


 85, 31.434,
182.645


 85, 31.434,
182.645


 100, 31.434,
182.645


 75, 31.434,
182.645

 65, 31.434,
182.645

 55, 31.434,
182.645

 45, 31.434,
182.645

 35, 31.434,
182.645

 25, 31.434,
182.645

 15, 31.434,

182.645

■ 5, 31.434, 182.645

■ 0, 31.434, 182.645

■ 85, 31.434,
182.645

■ 85, 31.434,
182.645

■ 84, 37.590,
181.592

■ 86, 24.547,
183.631

■ 83, 42.889,
180.459

■ 88, 17.066,
184.573

■ 83, 47.243,
179.222

■ 89, 9.134, 185.494

■ 82, 50.618,
177.859

■ 91, 0.882, 186.944

■ 93, 7.573, 7.045

■ 82, 53.054,

176.350

93, 10.033,
359.315

82, 54.612,
174.898

93, 10.810,
349.940

93, 11.843,
342.032

93, 13.070,
335.523

Harmonies

Complementary

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



85, 31.434, 182.645



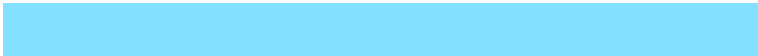
67, 38.395, 11.500

Rectangle

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



85, 31.434, 182.645



85, 31.434, 232.645



85, 31.434, 2.645



85, 31.434, 52.645

Sweetspot

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



85, 31.435, 182.643



98, 10.800, 185.400



84, 56.643, 137.367



52, 7.148, 185.279



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, 31.435, 182.643



93, 39.665, 181.783



77, 24.973, 241.111



47, 4.713, 185.644



65, 45.189, 175.187



18, 18.403, 178.006

Inverse Universe

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



67, 38.395, 11.500



69, 50.640, 13.182



73, 31.810, 52.778



45, 4.915, 7.173



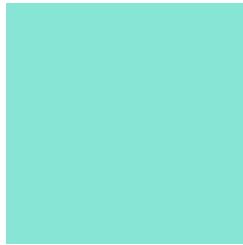
37, 72.938, 32.181



7, 26.713, 15.117

Previews

White Background



This preview shows how the CIELCh color 85, 31.434, 182.645 looks on a white background.

Color Contrast Check

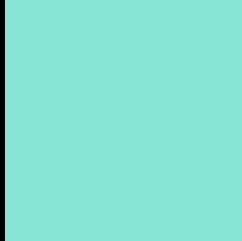
Large Text (above 18pt) WCAG AA × Fail

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, 31.434, 182.645 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

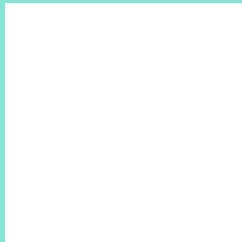
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 31.434, 182.645

Background



This preview shows how black text looks on a background with the CIELCh color 85, 31.434, 182.645.

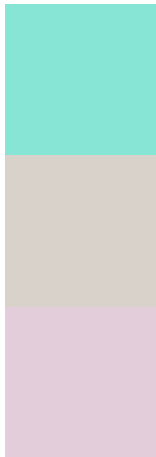


This preview shows how white text looks on a background with the CIELCh color 85, 31.434, 182.645.

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



Original Color
85, 31.434, 182.645

Protanopia
85, 4.471, 74.550

Deuteranopia
85, 11.152, 338.953



Tritanopia
85, 26.375, 219.096

Trichromacy



Original Color
85, 31.434, 182.645



Protanomaly
84, 11.965, 172.443



Deuteranomaly
84, 7.156, 211.794

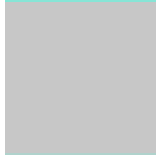


Tritanomaly
85, 26.842, 204.470

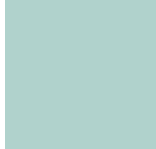
Monochromacy



Original Color
85, 31.434, 182.645



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 12.452, 183.679

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 31.434, 182.645 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, 229, 214)` looks like.

```
.text, #text, p{  
    color:rgb(135, 229, 214)  
}
```

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, 229, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 229, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 31.434, 182.645 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, 229, 214) }
```

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

```
.border{ border-color:rgb(135, 229, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 229, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 229, 214); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 229, 214); box-shadow:4px 4px 4px 4px rgb(135, 229, 214) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 31.434, 182.645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 229, 214) }
```

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

```
.background{ background-color: rgb(135,  
229, 214) }
```

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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