

Converting Colors

CIELCh(85, 33.303, 184.620)

Have a look what the booklet for
CIELCh(85, 33.303, 184.620)
contains.

CIELCh(85, 33.440, 184.338)	3
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Color

CIElCh(85, 33.440, 184.338)

Conversions

Conversions Part 1

Format	Color
Hex	7FE6D8
RGB	127, 230, 216
RGB Percent	50%, 90%, 85%
CMY	0.5023, 0.0983, 0.1533
CMYK	0.45, 0.00, 0.06, 0.10
HSL	172°, 67%, 70%
HSV	172°, 45%, 90%
XYZ	49.3979, 66.0070, 75.0480
YIQ	197.6070, -56.8940, -26.1900

Conversions

Conversions Part 2

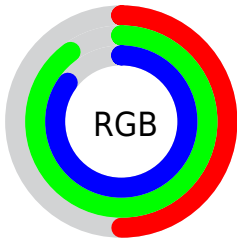
Format	Color
RYB	127, 182, 230
Decimal	8382168
CIELab	85.00, -33.34, -2.53
CIElCh	85, 33.440, 184.338
Yxy	66.0070, 0.2594, 0.3466
Android (android.graphics.Color)	4286572248 (0xFF7FE6D8)
YUV	197.6070, 9.0677, -61.9223
Hunter-Lab	81.2447, -33.6478, 2.1035

Details

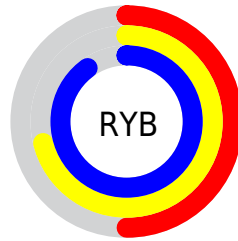
The CIELCh color **85, 33.440, 184.338** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **65, 42.332, 14.027**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 22.558, 198.027**, and **65, 33.492, 184.081** is the 20% darker color. If you saturate the color by 10%, you get **84, 39.137, 183.336**, and if you desaturate by 10%, it is **86, 26.940, 185.281**.

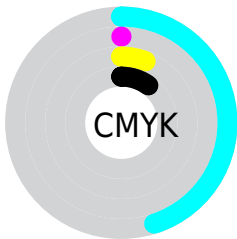
Distribution



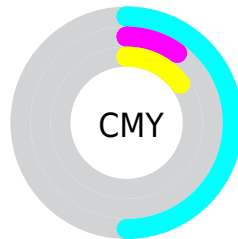
- Red (50%)
- Green (90%)
- Blue (85%)



- Red (50%)
- Yellow (71%)
- Blue (90%)



- Cyan (45%)
- Magenta (0%)
- Yellow (6%)
- Black (10%)





- Cyan (50%)
- Magenta (10%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 33.440, 184.338 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, 33.440, 184.338 by changing the saturation by 10% instead.


 85, 33.440,
184.338


 85, 33.440,
184.338


 100, 33.440,
184.338


 75, 33.440,
184.338

 65, 33.440,
184.338

 55, 33.440,
184.338

 45, 33.440,
184.338

 35, 33.440,
184.338

 25, 33.440,
184.338

 15, 33.440,

184.338

■ 5, 33.440, 184.338

■ 0, 33.440, 184.338

■ 85, 33.440,
184.338

■ 85, 33.440,
184.338

■ 84, 39.137,
183.336

■ 86, 26.940,
185.281

■ 83, 43.921,
182.263

■ 87, 19.770,
186.186

■ 83, 47.724,
181.096

■ 89, 12.071,
187.069

■ 83, 50.542,
179.814

■ 90, 3.981, 188.006

■ 82, 52.448,

■ 92, 4.377, 8.541

178.401

93, 9.366, 4.922

82, 53.202,
177.633

93, 9.877, 355.881

94, 10.614,
347.924

94, 11.531,
341.133

Harmonies

Complementary

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



85, 33.440, 184.338



65, 42.332, 14.027

Rectangle

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



85, 33.440, 184.338



85, 33.440, 234.338



85, 33.440, 4.338



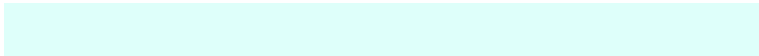
85, 33.440, 54.338

Sweetspot

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



85, 33.440, 184.336



98, 11.571, 187.222



84, 62.108, 137.507



52, 8.062, 187.025



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, 33.440, 184.336



92, 42.043, 183.387



75, 27.253, 244.292



47, 4.671, 187.547



65, 43.904, 177.897



18, 17.974, 180.422

Inverse Universe

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



65, 42.332, 14.027



66, 56.250, 16.182



73, 35.203, 54.291



45, 4.885, 9.023



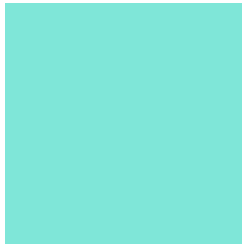
37, 74.084, 33.698



6, 26.750, 16.111

Previews

White Background



This preview shows how the CIE LCh color 85, 33.440, 184.338 looks on a white background.

Color Contrast Check

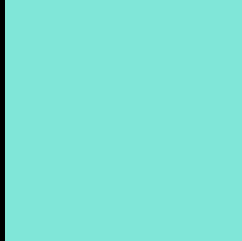
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 85, 33.440, 184.338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

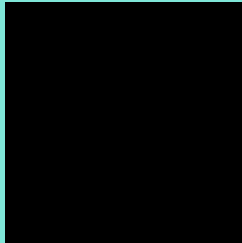
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

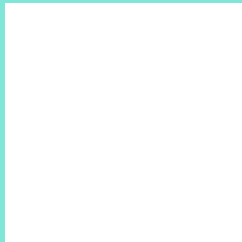
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 33.440, 184.338

Background



This preview shows how black text looks on a background with the CIELCh color 85, 33.440, 184.338.

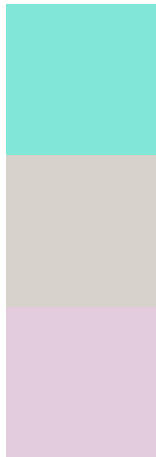


This preview shows how white text looks on a background with the CIELCh color 85, 33.440, 184.338.

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, 33.440, 184.338

Protanopia

85, 3.408, 69.633

Deuteranopia

85, 11.611, 333.822

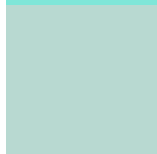


Tritanopia
85, 28.451, 217.351

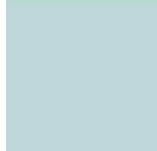
Trichromacy



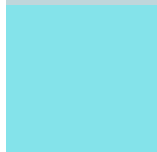
Original Color
85, 33.440, 184.338



Protanomaly
84, 12.442, 178.704



Deuteranomaly
84, 8.366, 217.353



Tritanomaly
85, 29.041, 204.881

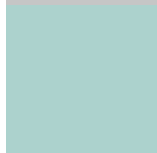
Monochromacy



Original Color
85, 33.440, 184.338



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 13.598, 187.147

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 33.440, 184.338 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(127, 230, 216)` looks like.

```
.text, #text, p{  
    color:rgb(127, 230, 216)  
}
```

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(127, 230, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 230, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 33.440, 184.338 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(127, 230, 216) }
```

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

```
.border{ border-color:rgb(127, 230, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 230, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 230, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 230, 216);  
box-shadow:4px 4px 4px 4px rgb(127, 230,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 33.440, 184.338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 230, 216) }
```

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

```
.background{ background-color: rgb(127,  
230, 216) }
```

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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