

Converting Colors

CIELCh(85, 33.015, 185.440)

Have a look what the booklet for
CIELCh(85, 33.015, 185.440)
contains.

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Color

CIELCh(85, 33.244, 185.209)

Conversions

Conversions Part 1

Format	Color
Hex	7FE6D9
RGB	127, 230, 217
RGB Percent	50%, 90%, 85%
CMY	0.5026, 0.0986, 0.1496
CMYK	0.45, 0.00, 0.06, 0.10
HSL	172°, 67%, 70%
HSV	172°, 45%, 90%
XYZ	49.4855, 66.0070, 75.6726
YIQ	197.7210, -57.2150, -25.8790

Conversions

Conversions Part 2

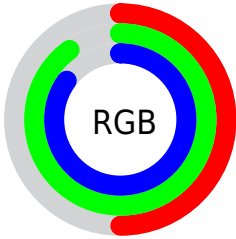
Format	Color
RYB	127, 182, 230
Decimal	8382169
CIELab	85.00, -33.11, -3.02
CIElCh	85, 33.244, 185.209
Yxy	66.0070, 0.2589, 0.3453
Android (android.graphics.Color)	4286572249 (0xFF7FE6D9)
YUV	197.7210, 9.5045, -62.0223
Hunter-Lab	81.2447, -33.4553, 1.6477

Details

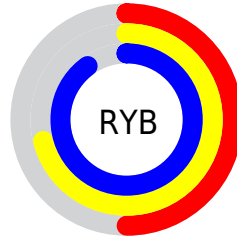
The CIELCh color **85, 33.244, 185.209** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **65, 42.360, 14.769**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 22.558, 198.027**, and **65, 33.266, 184.999** is the 20% darker color. If you saturate the color by 10%, you get **84, 38.871, 184.243**, and if you desaturate by 10%, it is **86, 26.806, 186.122**.

Distribution



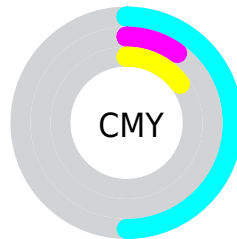
- Red (50%)
- Green (90%)
- Blue (85%)



- 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, 33.244, 185.209 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, 33.244, 185.209 by changing the saturation by 10% instead.


 85, 33.244,
185.209


 85, 33.244,
185.209


 100, 33.244,
185.209


 75, 33.244,
185.209

 65, 33.244,
185.209

 55, 33.244,
185.209

 45, 33.244,
185.209

 35, 33.244,
185.209

 25, 33.244,
185.209

 15, 33.244,

185.209

■ 5, 33.244, 185.209

■ 0, 33.244, 185.209

■ 85, 33.244,
185.209

■ 85, 33.244,
185.209

■ 84, 38.871,
184.243

■ 86, 26.806,
186.122

■ 83, 43.579,
183.214

■ 87, 19.690,
187.004

■ 83, 47.301,
182.099

■ 89, 12.036,
187.868

■ 83, 50.035,
180.877

■ 90, 3.980, 188.790

■ 82, 51.856,

■ 92, 4.352, 9.311

179.533

93, 9.352, 6.022

82, 52.564,
178.805

93, 9.792, 357.521

93, 10.431,
349.916

94, 11.237,
343.309

Harmonies

Complementary

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



85, 33.244, 185.209



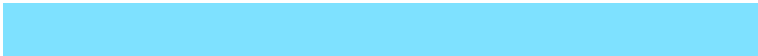
65, 42.360, 14.769

Rectangle

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



85, 33.244, 185.209



85, 33.244, 235.209



85, 33.244, 5.209



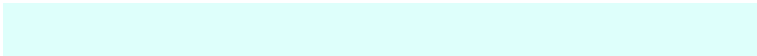
85, 33.244, 55.209

Sweetspot

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



85, 33.244, 185.207



98, 11.530, 188.019



84, 62.425, 137.914



52, 8.032, 187.826



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, 33.244, 185.207



92, 41.762, 184.293



75, 27.539, 246.655



47, 4.656, 188.338



65, 43.398, 179.055



18, 17.805, 181.448

Inverse Universe

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



65, 42.360, 14.769



66, 56.337, 16.920



73, 35.123, 56.015



45, 4.874, 9.790



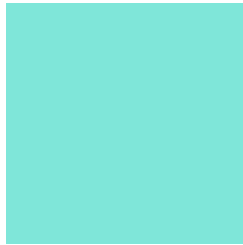
37, 74.551, 34.282



6, 26.767, 16.519

Previews

White Background



This preview shows how the CIELCh color 85, 33.244, 185.209 looks on a white background.

Color Contrast Check

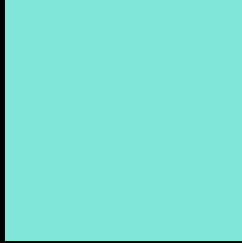
Large Text (above 18pt) WCAG AA × Fail

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, 33.244, 185.209 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

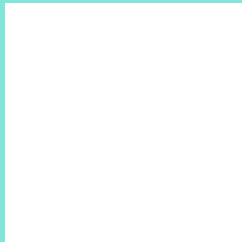
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 33.244, 185.209

Background



This preview shows how black text looks on a background with the CIELCh color 85, 33.244, 185.209.



This preview shows how white text looks on a background with the CIELCh color 85, 33.244, 185.209.

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, 28.451, 217.351

Trichromacy



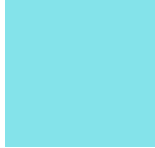
Original Color
85, 33.244, 185.209



Protanomaly
84, 12.242, 180.989



Deuteranomaly
84, 8.830, 219.973

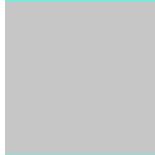


Tritanomaly
85, 29.041, 204.881

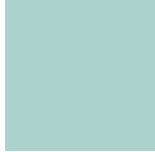
Monochromacy



Original Color
85, 33.244, 185.209



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, 33.244, 185.209 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(127, 230, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 230, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 33.244, 185.209 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, 217) }
```

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

```
.border{ border-color:rgb(127, 230, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 230, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 230, 217);  
box-shadow:4px 4px 4px 4px rgb(127, 230,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 33.244, 185.209 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, 217) }
```

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

```
.background{ background-color: rgb(127,  
230, 217) }
```

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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