

Converting Colors

CIELCh(85, 16.583, 188.603)

Have a look what the booklet for
CIELCh(85, 16.583, 188.603)
contains.

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Color

CIELCh(85, 16.811, 187.385)

Conversions

Conversions Part 1

Format	Color
Hex	AEDED8
RGB	174, 222, 216
RGB Percent	68%, 87%, 85%
CMY	0.3187, 0.1305, 0.1540
CMYK	0.22, 0.00, 0.03, 0.13
HSL	172°, 42%, 78%
HSV	172°, 22%, 87%
XYZ	55.8026, 66.0070, 74.5792
YIQ	206.9640, -26.6820, -12.0420

Conversions

Conversions Part 2

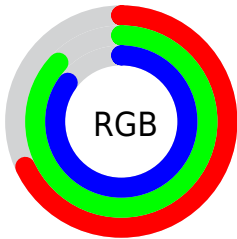
Format	Color
RYB	174, 200, 222
Decimal	11460312
CIELab	85.00, -16.67, -2.16
CIELCh	85, 16.811, 187.385
Yxy	66.0070, 0.2841, 0.3361
Android (android.graphics.Color)	4289650392 (0xFFFAEDED8)
YUV	206.9640, 4.4547, -28.9094
Hunter-Lab	81.2447, -19.5763, 2.4456

Details

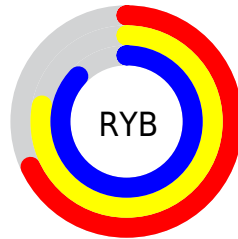
The CIELCh color **85, 16.811, 187.385** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **75, 18.745, 11.219**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 8.521, 198.944**, and **65, 17.104, 186.641** is the 20% darker color. If you saturate the color by 10%, you get **84, 23.902, 186.511**, and if you desaturate by 10%, it is **86, 9.244, 188.242**.

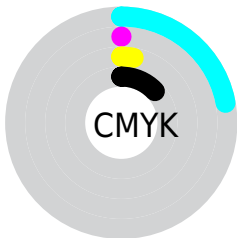
Distribution



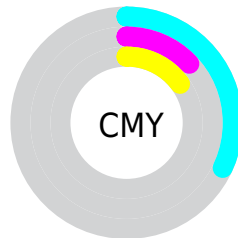
- Red (68%)
- Green (87%)
- Blue (85%)



- Red (68%)
- Yellow (78%)
- Blue (87%)



- Cyan (22%)
- Magenta (0%)
- Yellow (3%)
- Black (13%)





- Cyan (32%)
- Magenta (13%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 16.811, 187.385 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, 16.811, 187.385 by changing the saturation by 10% instead.


 85, 16.811,
187.385


 85, 16.811,
187.385


 100, 16.811,
187.385


 75, 16.811,
187.385

 65, 16.811,
187.385

 55, 16.811,
187.385

 45, 16.811,
187.385

 35, 16.811,
187.385

 25, 16.811,
187.385

 15, 16.811,

187.385

■ 5, 16.811, 187.385

■ 0, 16.811, 187.385

■ 85, 16.811,
187.385

■ 85, 16.811,
187.385

■ 84, 23.902,
186.511

■ 86, 9.244, 188.242

■ 83, 30.377,
185.614

■ 88, 1.325, 189.425

■ 90, 6.828, 9.705

■ 82, 36.105,
184.674

■ 91, 12.409, 8.083

■ 81, 40.971,
183.675

■ 91, 12.741, 1.770

■ 80, 44.898,

■ 91, 13.224,
355.855

182.599

91, 13.841,
350.421

80, 47.860,
181.425

91, 14.577,
345.504

80, 49.902,
180.134

92, 15.414,
341.102

80, 51.071,
178.980

Harmonies

Complementary

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



85, 16.811, 187.385



75, 18.745, 11.219

Rectangle

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



85, 16.811, 187.385



85, 16.811, 237.385



85, 16.811, 7.385



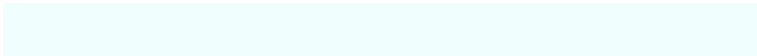
85, 16.811, 57.385

Sweetspot

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



85, 16.812, 187.380



99, 5.386, 188.756



84, 29.584, 139.594



53, 3.569, 188.691



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, 16.812, 187.380



96, 22.351, 186.987



80, 13.659, 242.363



45, 4.484, 188.438



64, 42.404, 179.229



16, 16.614, 181.885

Inverse Universe

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



75, 18.745, 11.219



83, 25.554, 11.797



80, 15.185, 57.851



43, 4.693, 9.878



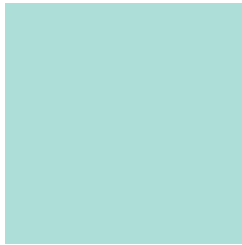
36, 72.934, 34.241



5, 23.722, 14.867

Previews

White Background



This preview shows how the CIE LCh color 85, 16.811, 187.385 looks on a white background.

Color Contrast Check

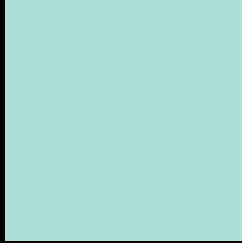
Large Text (above 18pt) WCAG AA × Fail

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, 16.811, 187.385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

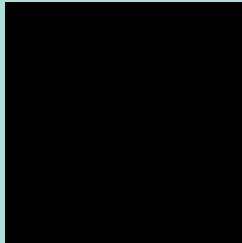
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

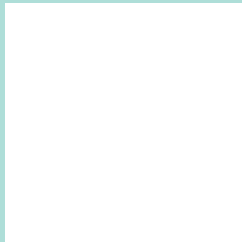
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 16.811, 187.385

Background



This preview shows how black text looks on a background with the CIELCh color 85, 16.811, 187.385.

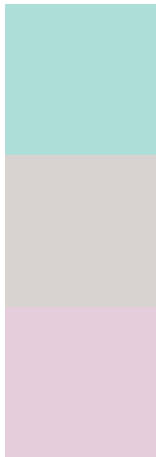


This preview shows how white text looks on a background with the CIELCh color 85, 16.811, 187.385.

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, 16.811, 187.385

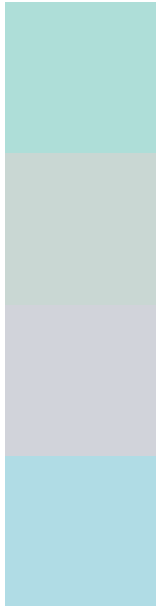
Protanopia
85, 2.091, 49.338

Deuteranopia
85, 11.427, 340.196



Tritanopia
85, 15.953, 232.923

Trichromacy



Original Color
85, 16.811, 187.385

Protanomaly
85, 5.462, 176.456

Deuteranomaly
85, 3.748, 279.565

Tritanomaly
85, 15.289, 216.620

Monochromacy



Original Color
85, 16.811, 187.385

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 6.163, 189.171

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 16.811, 187.385 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(174, 222, 216)` looks like.

```
.text, #text, p{  
    color:rgb(174, 222, 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(174, 222, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 222, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 16.811, 187.385 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(174, 222, 216) }
```

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

```
.border{ border-color:rgb(174, 222, 216) }
```

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

Here you see how a box with a 4 pixel rgb(174, 222, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 222, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 222, 216);  
box-shadow:4px 4px 4px 4px rgb(174, 222,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 16.811, 187.385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 222, 216) }
```

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

```
.background{ background-color: rgb(174,  
222, 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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