

Converting Colors

CIELCh(85, 28.606, 196.077)

Have a look what the booklet for
CIELCh(85, 28.606, 196.077)
contains.

CIELCh(85, 28.876, 195.367)	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, 28.876, 195.367)

Conversions

Conversions Part 1

Format	Color
Hex	88E4E2
RGB	136, 228, 226
RGB Percent	53%, 89%, 89%
CMY	0.4678, 0.1070, 0.1149
CMYK	0.40, 0.00, 0.01, 0.11
HSL	179°, 63%, 71%
HSV	179°, 40%, 89%
XYZ	51.4535, 66.0070, 81.7675
YIQ	200.2640, -54.1900, -20.1260

Conversions

Conversions Part 2

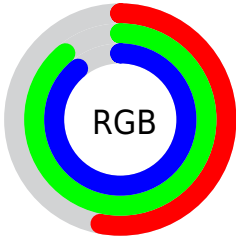
Format	Color
R_{YB}	136, 183, 228
Decimal	8971490
CIE _{Lab}	85.00, -27.84, -7.65
CIE _{LCh}	85, 28.876, 195.367
Yxy	66.0070, 0.2583, 0.3313
Android (android.graphics.Color)	4287161570 (0xFF88E4E2)
YUV	200.2640, 12.6878, -56.3595
Hunter-Lab	81.2447, -29.1315, -2.8002

Details

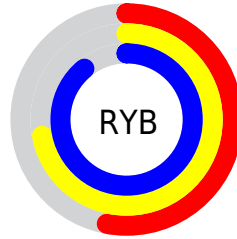
The CIELCh color **85, 28.876, 195.367** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **66, 38.061, 21.800**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 20.212, 198.174**, and **65, 28.693, 195.930** is the 20% darker color. If you saturate the color by 10%, you get **84, 34.260, 194.895**, and if you desaturate by 10%, it is **86, 22.662, 195.876**.

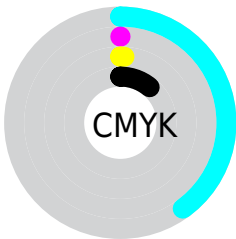
Distribution



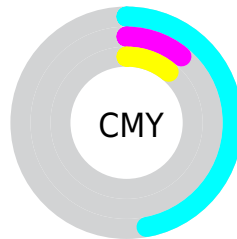
- Red (53%)
- Green (89%)
- Blue (89%)



- Red (53%)
- Yellow (72%)
- Blue (89%)



- Cyan (40%)
- Magenta (0%)
- Yellow (1%)
- Black (11%)



- Cyan (47%)
- Magenta (11%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 28.876, 195.367 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, 28.876, 195.367 by changing the saturation by 10% instead.


 85, 28.876,
195.367

 85, 28.876,
195.367


 100, 28.876,
195.367


 75, 28.876,
195.367

 65, 28.876,
195.367

 55, 28.876,
195.367

 45, 28.876,
195.367

 35, 28.876,
195.367

 25, 28.876,
195.367

 15, 28.876,

195.367

■ 5, 28.876, 195.367

■ 0, 28.876, 195.367

■ 85, 28.876,
195.367

■ 85, 28.876,
195.367

■ 84, 34.260,
194.895

■ 86, 22.662,
195.876

■ 83, 38.710,
194.466

■ 87, 15.744,
196.431

■ 83, 42.161,
194.074

■ 89, 8.255, 197.041

■ 83, 44.599,
193.713

■ 90, 0.325, 199.434

■ 92, 7.927, 18.119

■ 82, 46.077,

193.374

93, 9.936, 17.173

82, 46.786,
193.060

93, 9.945, 15.712

93, 9.961, 14.255

93, 9.982, 12.803

Harmonies

Complementary

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



85, 28.876, 195.367



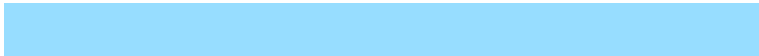
66, 38.061, 21.800

Rectangle

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



85, 28.876, 195.367



85, 28.876, 245.367



85, 28.876, 15.367



85, 28.876, 65.367

Sweetspot

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



85, 28.876, 195.365



98, 10.394, 196.933



83, 57.844, 140.620



52, 6.871, 196.850



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, 28.876, 195.365



93, 36.170, 194.990



73, 27.117, 258.608



47, 4.546, 197.104



66, 38.986, 193.112



18, 16.316, 193.609

Inverse Universe

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



66, 38.061, 21.800



69, 50.726, 23.270



76, 31.232, 66.923



45, 4.815, 18.175



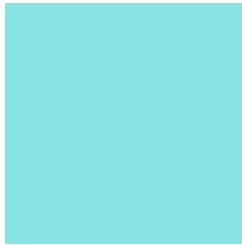
37, 79.016, 39.077



6, 27.032, 20.864

Previews

White Background



This preview shows how the CIE LCh color 85, 28.876, 195.367 looks on a white background.

Color Contrast Check

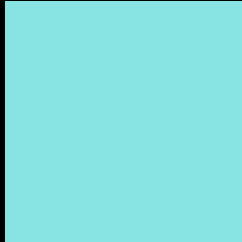
Large Text (above 18pt) WCAG AA × Fail

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, 28.876, 195.367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

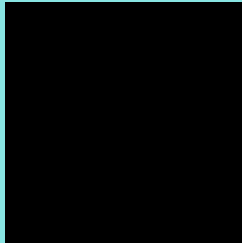
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

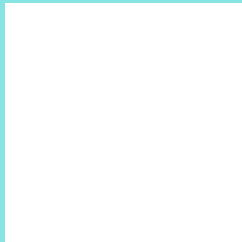
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 28.876, 195.367

Background



This preview shows how black text looks on a background with the CIELCh color 85, 28.876, 195.367.

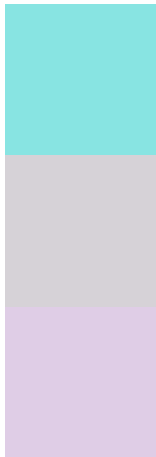


This preview shows how white text looks on a background with the CIELCh color 85, 28.876, 195.367.

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, 28.876, 195.367

Protanopia
85, 3.024, 318.841

Deuteranopia
85, 14.702, 316.809



Tritanopia
85, 26.844, 218.681

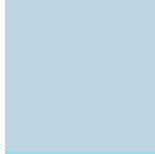
Trichromacy



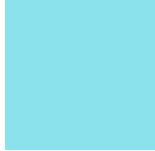
Original Color
85, 28.876, 195.367



Protanomaly
84, 10.453, 207.471



Deuteranomaly
84, 10.757, 246.558

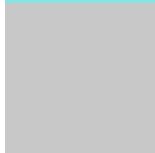


Tritanomaly
85, 27.106, 210.139

Monochromacy



Original Color
85, 28.876, 195.367



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 11.533, 195.965

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 28.876, 195.367 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(136, 228, 226)` looks like.

```
.text, #text, p{  
    color:rgb(136, 228, 226)  
}
```

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(136, 228, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 228, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 28.876, 195.367 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(136, 228, 226) }
```

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

```
.border{ border-color:rgb(136, 228, 226) }
```

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

Here you see how a box with a 4 pixel rgb(136, 228, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 228, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 228, 226);  
box-shadow:4px 4px 4px 4px rgb(136, 228,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 28.876, 195.367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 228, 226) }
```

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

```
.background{ background-color: rgb(136,  
228, 226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor