

Converting Colors

CIELCh(85, 28.451, 198.208)

Have a look what the booklet for
CIELCh(85, 28.451, 198.208)
contains.

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Color

CIELCh(85, 28.355, 198.591)

Conversions

Conversions Part 1

Format	Color
Hex	88E3E4
RGB	136, 227, 228
RGB Percent	53%, 89%, 89%
CMY	0.4653, 0.1085, 0.1046
CMYK	0.40, 0.00, 0.00, 0.10
HSL	181°, 63%, 72%
HSV	181°, 40%, 90%
XYZ	51.8212, 66.0070, 83.6544
YIQ	199.9050, -54.5570, -18.9810

Conversions

Conversions Part 2

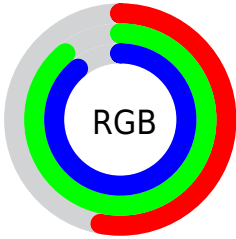
Format	Color
RYB	136, 182, 228
Decimal	8971236
CIELab	85.00, -26.88, -9.04
CIELCh	85, 28.355, 198.591
Yxy	66.0070, 0.2572, 0.3276
Android (android.graphics.Color)	4287161316 (0xFF88E3E4)
YUV	199.9050, 13.8508, -56.0447
Hunter-Lab	81.2447, -28.3237, -4.1772

Details

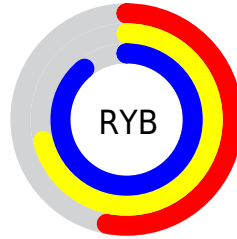
The CIELCh color **85, 28.355, 198.591** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **67, 37.871, 24.115**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 20.212, 198.174**, and **65, 28.143, 199.399** is the 20% darker color. If you saturate the color by 10%, you get **84, 33.601, 198.306**, and if you desaturate by 10%, it is **86, 22.269, 198.944**.

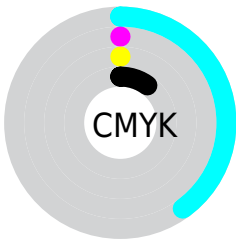
Distribution



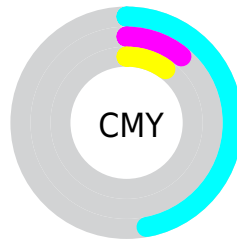
- Red (53%)
- Green (89%)
- Blue (89%)



- Red (53%)
- Yellow (71%)
- Blue (89%)



- Cyan (40%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)





- Cyan (47%)
- Magenta (11%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 28.355, 198.591 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, 28.355, 198.591 by changing the saturation by 10% instead.


 85, 28.355,
198.591


 85, 28.355,
198.591


 100, 28.355,
198.591


 75, 28.355,
198.591

 65, 28.355,
198.591

 55, 28.355,
198.591

 45, 28.355,
198.591

 35, 28.355,
198.591

 25, 28.355,
198.591

 15, 28.355,

198.591

■ 5, 28.355, 198.591

■ 0, 28.355, 198.591

■ 85, 28.355,
198.591

■ 85, 28.355,
198.591

■ 84, 33.601,
198.306

■ 86, 22.269,
198.944

■ 83, 37.906,
198.103

■ 87, 15.466,
199.368

■ 83, 41.207,
197.982

■ 89, 8.077, 199.869

■ 82, 43.493,
197.946

■ 91, 0.232, 202.941

■ 93, 7.955, 20.770

■ 82, 44.820,

197.991

93, 9.524, 21.505

82, 45.385,
198.100

93, 9.438, 22.279

93, 9.354, 23.068

93, 9.272, 23.870

Harmonies

Complementary

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



85, 28.355, 198.591



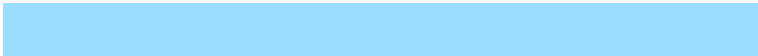
67, 37.871, 24.115

Rectangle

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



85, 28.355, 198.591



85, 28.355, 248.591



85, 28.355, 18.591



85, 28.355, 68.591

Sweetspot

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



85, 28.355, 198.588



98, 10.254, 199.772



83, 58.405, 141.358



52, 6.777, 199.703



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, 28.355, 198.588



93, 35.467, 198.357



73, 28.098, 262.429



47, 4.487, 199.916



65, 37.760, 198.072



18, 15.883, 197.809

Inverse Universe

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



69, 57.862, 326.902



73, 74.363, 327.287



77, 31.544, 70.370



45, 8.245, 325.231



42, 87.684, 328.665



8, 36.844, 328.598

Previews

White Background



This preview shows how the CIE LCh color 85, 28.355, 198.591 looks on a white background.

Color Contrast Check

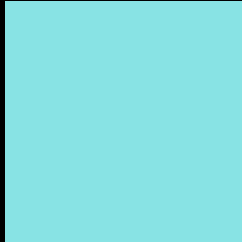
Large Text (above 18pt) WCAG AA × Fail

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, 28.355, 198.591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

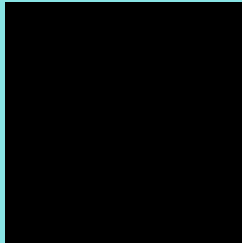
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 28.355, 198.591

Background



This preview shows how black text looks on a background with the CIELCh color 85, 28.355, 198.591.

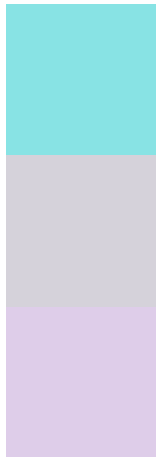


This preview shows how white text looks on a background with the CIELCh color 85, 28.355, 198.591.

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, 28.355, 198.591

Protanopia

85, 4.369, 304.756

Deuteranopia

85, 15.998, 313.220



Tritanopia
85, 27.077, 218.481

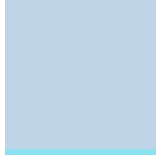
Trichromacy



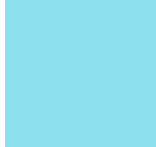
Original Color
85, 28.355, 198.591



Protanomaly
84, 11.014, 215.489



Deuteranomaly
84, 11.905, 252.155

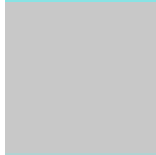


Tritanomaly
85, 27.138, 211.286

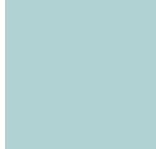
Monochromacy



Original Color
85, 28.355, 198.591



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 11.482, 198.618

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 28.355, 198.591 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, 227, 228)` looks like.

```
.text, #text, p{  
    color:rgb(136, 227, 228)  
}
```

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, 227, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 227, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 28.355, 198.591 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, 227, 228) }
```

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

```
.border{ border-color:rgb(136, 227, 228) }
```

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

Here you see how a box with a 4 pixel rgb(136, 227, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 227, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 227, 228);  
box-shadow:4px 4px 4px 4px rgb(136, 227,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 28.355, 198.591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 227, 228) }
```

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

```
.background{ background-color: rgb(136,  
227, 228) }
```

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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