

Converting Colors

CIELCh(85, 27.517, 209.339)

Have a look what the booklet for
CIELCh(85, 27.517, 209.339)
contains.

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Color

CIELCh(85, 27.350, 210.012)

Conversions

Conversions Part 1

Format	Color
Hex	8AE2ED
RGB	138, 226, 237
RGB Percent	54%, 89%, 93%
CMY	0.4583, 0.1132, 0.0700
CMYK	0.42, 0.05, 0.00, 0.07
HSL	187°, 73%, 74%
HSV	187°, 42%, 93%
XYZ	53.0457, 66.0070, 90.1739
YIQ	200.9420, -55.9790, -15.2350

Conversions

Conversions Part 2

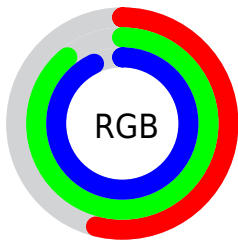
Format	Color
RYB	138, 185, 237
Decimal	9102061
CIELab	85.00, -23.68, -13.68
CIELCh	85, 27.350, 210.012
Yxy	66.0070, 0.2535, 0.3155
Android (android.graphics.Color)	4287292141 (0xFF8AE2ED)
YUV	200.9420, 17.7766, -55.2001
Hunter-Lab	81.2447, -25.6333, -8.9350

Details

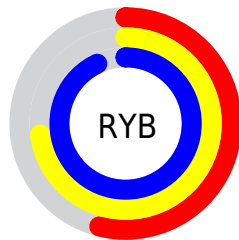
The CIELCh color **85, 27.350, 210.012** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **70, 37.487, 31.785**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 19.314, 198.231**, and **65, 27.339, 210.368** is the 20% darker color. If you saturate the color by 10%, you get **83, 32.118, 210.477**, and if you desaturate by 10%, it is **87, 21.764, 209.739**.

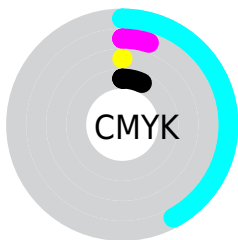
Distribution



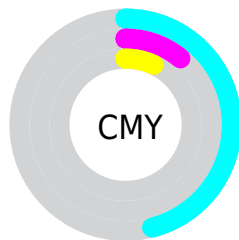
- Red (54%)
- Green (89%)
- Blue (93%)



- Red (54%)
- Yellow (73%)
- Blue (93%)



- Cyan (42%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)





- Cyan (46%)
- Magenta (11%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 27.350, 210.012 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, 27.350, 210.012 by changing the saturation by 10% instead.


 85, 27.350,
210.012


 85, 27.350,
210.012


 100, 27.350,
210.012


 75, 27.350,
210.012

 65, 27.350,
210.012

 55, 27.350,
210.012

 45, 27.350,
210.012

 35, 27.350,
210.012

 25, 27.350,
210.012

 15, 27.350,

210.012

■ 5, 27.350, 210.012

■ 0, 27.350, 210.012

■ 85, 27.350,
210.012

■ 85, 27.350,
210.012

■ 83, 32.118,
210.477

■ 87, 21.764,
209.739

■ 82, 35.966,
211.181

■ 89, 15.481,
209.631

■ 81, 38.830,
212.167

■ 91, 8.625, 209.671

■ 79, 40.697,
213.481

■ 93, 1.316, 210.184

■ 96, 5.728, 30.835

■ 78, 41.632,

215.165

96, 5.270, 47.288

78, 41.875,
216.810

97, 5.303, 65.074

98, 5.817, 81.102

98, 6.700, 93.688

Harmonies

Complementary

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



85, 27.350, 210.012



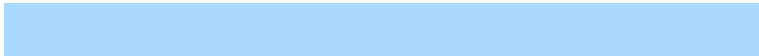
70, 37.487, 31.785

Rectangle

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



85, 27.350, 210.012



85, 27.350, 260.012



85, 27.350, 30.012



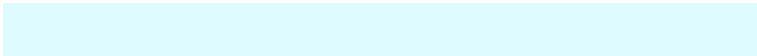
85, 27.350, 80.012

Sweetspot

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



85, 27.350, 210.009



97, 10.087, 209.657



86, 58.228, 143.911



51, 7.013, 209.640



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, 27.350, 210.009



89, 33.213, 210.390



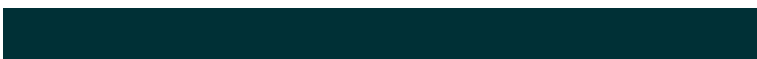
72, 33.911, 272.825



48, 4.161, 209.705



61, 34.250, 216.415



17, 14.841, 213.137

Inverse Universe

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



71, 57.676, 330.088



71, 72.113, 330.585



82, 35.567, 79.832



46, 7.836, 328.139



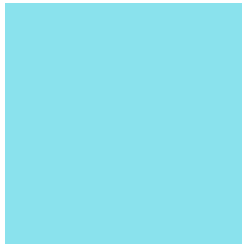
42, 81.919, 333.207



9, 35.527, 332.402

Previews

White Background



This preview shows how the CIE LCh color 85, 27.350, 210.012 looks on a white background.

Color Contrast Check

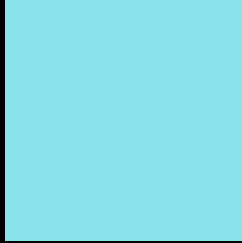
Large Text (above 18pt) WCAG AA × Fail

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, 27.350, 210.012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

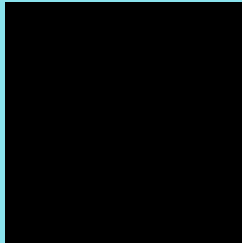
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 27.350, 210.012

Background



This preview shows how black text looks on a background with the CIELCh color 85, 27.350, 210.012.

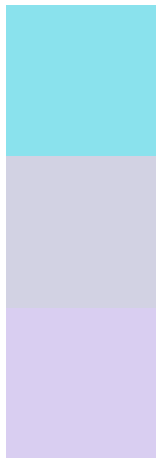


This preview shows how white text looks on a background with the CIELCh color 85, 27.350, 210.012.

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, 27.350, 210.012

Protanopia
85, 8.959, 290.947

Deuteranopia
85, 18.909, 303.212

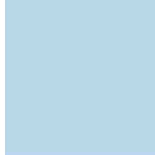


Tritanopia
85, 27.077, 218.481

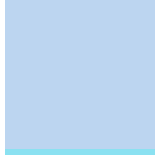
Trichromacy



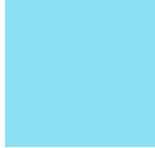
Original Color
85, 27.350, 210.012



Protanomaly
85, 13.148, 235.920



Deuteranomaly
84, 16.237, 260.697

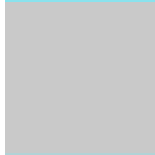


Tritanomaly
85, 27.131, 216.024

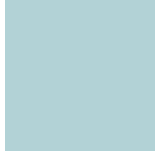
Monochromacy



Original Color
85, 27.350, 210.012



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 11.199, 209.634

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 27.350, 210.012 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(138, 226, 237)` looks like.

```
.text, #text, p{  
    color:rgb(138, 226, 237)  
}
```

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(138, 226, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 226, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 27.350, 210.012 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(138, 226, 237) }
```

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

```
.border{ border-color:rgb(138, 226, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 226, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 226, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 226, 237);  
box-shadow:4px 4px 4px 4px rgb(138, 226,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 27.350, 210.012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 226, 237) }
```

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

```
.background{ background-color: rgb(138,  
226, 237) }
```

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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