

Converting Colors

CIELCh(85, 21.577, 210.820)

Have a look what the booklet for
CIELCh(85, 21.577, 210.820)
contains.

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Color

CIElCh(85, 21.571, 210.817)

Conversions

Conversions Part 1

Format	Color
Hex	9DDFE8
RGB	157, 223, 232
RGB Percent	62%, 87%, 91%
CMY	0.3830, 0.1241, 0.0888
CMYK	0.32, 0.04, 0.00, 0.09
HSL	187°, 62%, 76%
HSV	187°, 32%, 91%
XYZ	55.0646, 66.0070, 86.4398
YIQ	204.2920, -42.2250, -11.1930

Conversions

Conversions Part 2

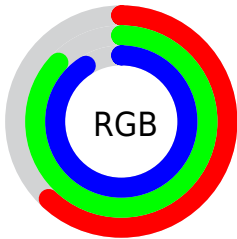
Format	Color
RYB	157, 192, 232
Decimal	10346472
CIELab	85.00, -18.53, -11.05
CIELCh	85, 21.571, 210.817
Yxy	66.0070, 0.2654, 0.3181
Android (android.graphics.Color)	4288536552 (0xFF9DDFE8)
YUV	204.2920, 13.6600, -41.4751
Hunter-Lab	81.2447, -21.1977, -6.2099

Details

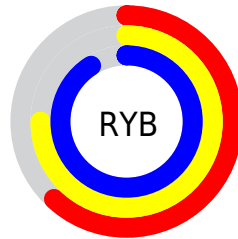
The CIELCh color **85, 21.571, 210.817** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **74, 27.250, 31.762**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 13.731, 198.590**, and **65, 21.722, 209.617** is the 20% darker color. If you saturate the color by 10%, you get **83, 26.994, 211.155**, and if you desaturate by 10%, it is **87, 15.464, 210.645**.

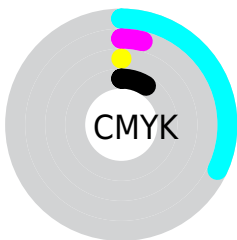
Distribution



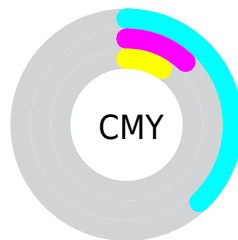
- Red (62%)
- Green (87%)
- Blue (91%)



- Red (62%)
- Yellow (75%)
- Blue (91%)



- Cyan (32%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)





- Cyan (38%)
- Magenta (12%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 21.571, 210.817 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, 21.571, 210.817 by changing the saturation by 10% instead.


 85, 21.571,
210.817


 85, 21.571,
210.817


 100, 21.571,
210.817


 75, 21.571,
210.817

 65, 21.571,
210.817

 55, 21.571,
210.817

 45, 21.571,
210.817

 35, 21.571,
210.817

 25, 21.571,
210.817

 15, 21.571,

210.817

■ 5, 21.571, 210.817

■ 0, 21.571, 210.817

■ 85, 21.571,
210.817

■ 85, 21.571,
210.817

■ 83, 26.994,
211.155

■ 87, 15.464,
210.645

■ 81, 31.615,
211.708

■ 89, 8.794, 210.631

■ 80, 35.338,
212.516

■ 92, 1.677, 210.993

■ 94, 5.785, 30.658

■ 79, 38.100,
213.629

■ 95, 6.874, 41.248

■ 77, 39.893,

■ 96, 6.670, 55.840

215.096

96, 6.911, 70.325

76, 40.787,
216.964

97, 7.552, 83.054

76, 41.026,
218.650

98, 8.501, 93.340

Harmonies

Complementary

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



85, 21.571, 210.817



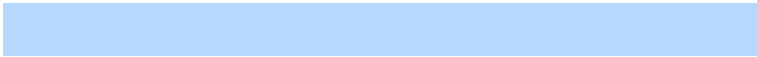
74, 27.250, 31.762

Rectangle

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



85, 21.571, 210.817



85, 21.571, 260.817



85, 21.571, 30.817



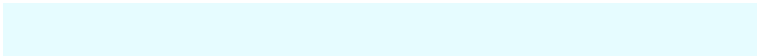
85, 21.571, 80.817

Sweetspot

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



85, 21.571, 210.813



97, 7.769, 210.652



86, 44.072, 145.370



52, 5.280, 210.637



0, 0.000, 0.000



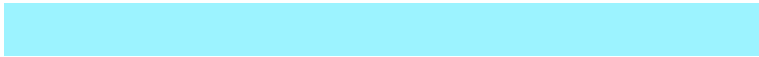
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



85, 21.571, 210.813



91, 27.253, 211.029



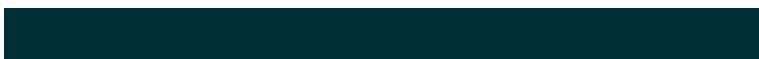
75, 26.247, 272.154



48, 4.131, 210.659



60, 34.071, 218.247



17, 14.754, 214.655

Inverse Universe

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



74, 44.016, 329.811



77, 56.997, 330.231



83, 27.019, 82.659



46, 7.788, 328.417



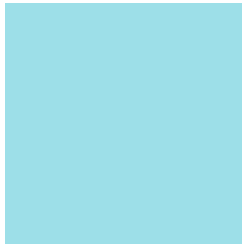
42, 81.355, 333.658



9, 35.317, 332.774

Previews

White Background



This preview shows how the CIE LCh color 85, 21.571, 210.817 looks on a white background.

Color Contrast Check

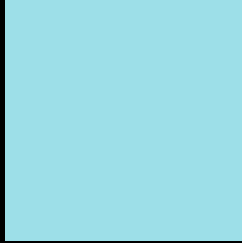
Large Text (above 18pt) WCAG AA × Fail

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, 21.571, 210.817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

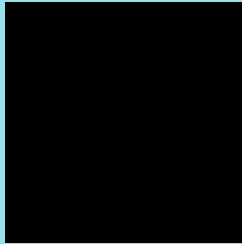
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 21.571, 210.817

Background



This preview shows how black text looks on a background with the CIELCh color 85, 21.571, 210.817.

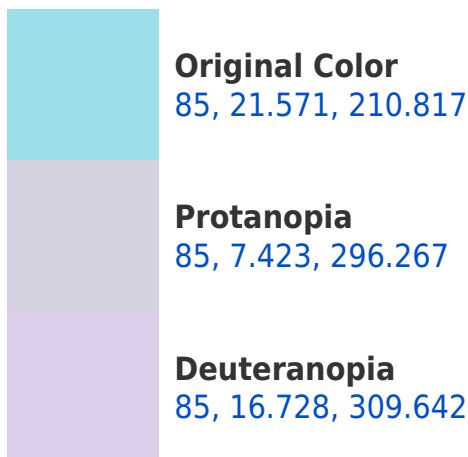


This preview shows how white text looks on a background with the CIELCh color 85, 21.571, 210.817.

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



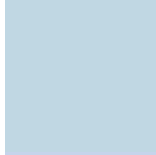


Tritanopia
85, 21.747, 224.218

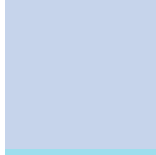
Trichromacy



Original Color
85, 21.571, 210.817



Protanomaly
85, 9.970, 238.464



Deuteranomaly
85, 12.899, 269.592

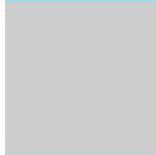


Tritanomaly
85, 21.564, 219.785

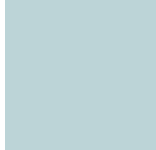
Monochromacy



Original Color
85, 21.571, 210.817



Achromatopsia
82, 0.010, 296.813



Achromatomaly
83, 8.498, 209.664

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 21.571, 210.817 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(157, 223, 232)` looks like.

```
.text, #text, p{  
    color:rgb(157, 223, 232)  
}
```

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(157, 223, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 223, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 21.571, 210.817 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(157, 223, 232) }
```

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

```
.border{ border-color:rgb(157, 223, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 223, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 223, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 223, 232);  
box-shadow:4px 4px 4px 4px rgb(157, 223,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 21.571, 210.817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 223, 232) }
```

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

```
.background{ background-color: rgb(157,  
223, 232) }
```

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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