

Converting Colors

CIELCh(85, 22.511, 178.692)

Have a look what the booklet for
CIELCh(85, 22.511, 178.692)
contains.

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Color

CIELCh(85, 22.510, 178.695)

Conversions

Conversions Part 1

Format	Color
Hex	A3E1D3
RGB	163, 225, 211
RGB Percent	64%, 88%, 83%
CMY	0.3626, 0.1195, 0.1744
CMYK	0.28, 0.00, 0.06, 0.12
HSL	166°, 50%, 76%
HSV	166°, 28%, 88%
XYZ	53.5027, 66.0070, 71.2375
YIQ	204.8660, -32.4580, -17.4980

Conversions

Conversions Part 2

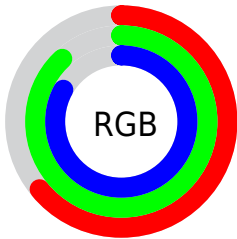
Format	Color
RYB	163, 198, 225
Decimal	10740179
CIELab	85.00, -22.50, 0.51
CIELCh	85, 22.510, 178.695
Yxy	66.0070, 0.2805, 0.3460
Android (android.graphics.Color)	4288930259 (0xFFA3E1D3)
YUV	204.8660, 3.0241, -36.7165
Hunter-Lab	81.2447, -24.6292, 4.8842

Details

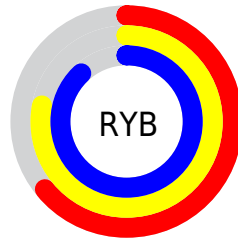
The CIELCh color **85, 22.510, 178.695** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **73, 25.018, 4.338**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 12.126, 198.696**, and **65, 22.726, 178.866** is the 20% darker color. If you saturate the color by 10%, you get **84, 29.925, 177.609**, and if you desaturate by 10%, it is **86, 14.623, 179.710**.

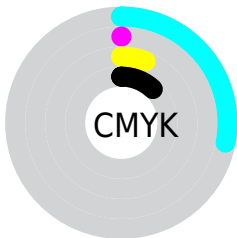
Distribution



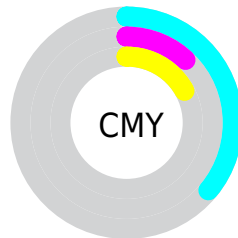
- Red (64%)
- Green (88%)
- Blue (83%)



- Red (64%)
- Yellow (78%)
- Blue (88%)



- Cyan (28%)
- Magenta (0%)
- Yellow (6%)
- Black (12%)





- Cyan (36%)
- Magenta (12%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 22.510, 178.695 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, 22.510, 178.695 by changing the saturation by 10% instead.


 85, 22.510,
178.695


 85, 22.510,
178.695


 100, 22.510,
178.695


 75, 22.510,
178.695

 65, 22.510,
178.695

 55, 22.510,
178.695

 45, 22.510,
178.695

 35, 22.510,
178.695

 25, 22.510,
178.695

 15, 22.510,

178.695

■ 5, 22.510, 178.695

■ 0, 22.510, 178.695

■ 85, 22.510,
178.695

■ 85, 22.510,
178.695

■ 84, 29.925,
177.609

■ 86, 14.623,
179.710

■ 83, 36.722,
176.439

■ 88, 6.400, 180.703

■ 90, 2.036, 1.245

■ 82, 42.765,
175.160

■ 92, 10.580, 2.318

■ 81, 47.945,
173.747

■ 92, 12.436,
352.231

■ 81, 52.197,

172.176

92, 13.811,
342.570

80, 55.523,
170.428

92, 15.515,
334.881

80, 58.030,
168.506

92, 17.452,
328.848

80, 58.577,
168.045

93, 19.064,
325.087

Harmonies

Complementary

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



85, 22.510, 178.695



73, 25.018, 4.338

Rectangle

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



85, 22.510, 178.695



85, 22.510, 228.695



85, 22.510, 358.695



85, 22.510, 48.695

Sweetspot

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



85, 22.511, 178.692



98, 7.459, 180.657



85, 36.942, 136.416



52, 5.292, 180.504



0, 0.000, 0.000



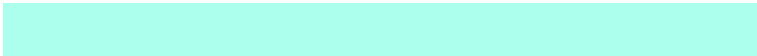
53, 0.007, 296.813

Same Dimension

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



85, 22.511, 178.692



94, 29.451, 178.092



81, 17.076, 229.662



46, 4.765, 180.517



64, 48.595, 168.391



17, 19.051, 172.038

Inverse Universe

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



73, 25.018, 4.338



78, 33.507, 5.167



77, 20.354, 46.221



44, 4.934, 2.137



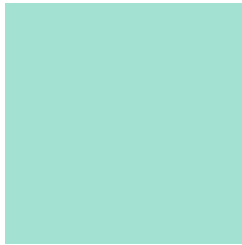
37, 69.083, 27.236



6, 25.284, 11.356

Previews

White Background



This preview shows how the CIE LCh color 85, 22.510, 178.695 looks on a white background.

Color Contrast Check

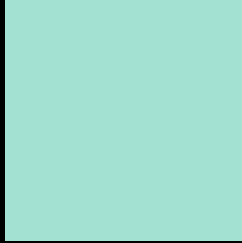
Large Text (above 18pt) WCAG AA × Fail

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, 22.510, 178.695 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

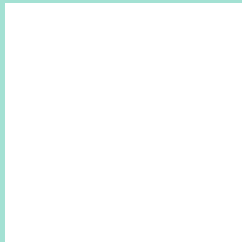
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 22.510, 178.695

Background



This preview shows how black text looks on a background with the CIELCh color 85, 22.510, 178.695.

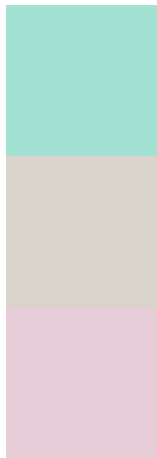


This preview shows how white text looks on a background with the CIELCh color 85, 22.510, 178.695.

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, 22.510, 178.695

Protanopia

85, 4.724, 81.856

Deuteranopia

85, 10.551, 350.369

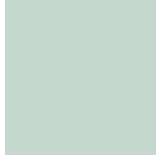


Tritanopia
85, 18.977, 228.567

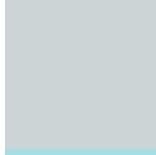
Trichromacy



Original Color
85, 22.510, 178.695



Protanomaly
85, 8.683, 161.591



Deuteranomaly
84, 2.552, 211.368

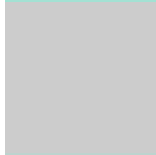


Tritanomaly
85, 18.611, 208.030

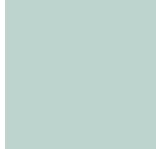
Monochromacy



Original Color
85, 22.510, 178.695



Achromatopsia
82, 0.010, 296.813



Achromatomaly
83, 8.321, 180.310

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 22.510, 178.695 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(163, 225, 211)` looks like.

```
.text, #text, p{  
    color:rgb(163, 225, 211)  
}
```

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(163, 225, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 225, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 22.510, 178.695 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(163, 225, 211) }
```

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

```
.border{ border-color:rgb(163, 225, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 225, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 225, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 225, 211);  
box-shadow:4px 4px 4px 4px rgb(163, 225,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 22.510, 178.695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 225, 211) }
```

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

```
.background{ background-color: rgb(163,  
225, 211) }
```

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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