

Converting Colors

CIELCh(85, 22.447, 177.220)

Have a look what the booklet for
CIELCh(85, 22.447, 177.220)
contains.

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Color

CIELCh(85, 22.461, 177.208)

Conversions

Conversions Part 1

Format	Color
Hex	A3E0D1
RGB	163, 224, 209
RGB Percent	64%, 88%, 82%
CMY	0.3591, 0.1198, 0.1787
CMYK	0.27, 0.00, 0.07, 0.12
HSL	165°, 50%, 76%
HSV	165°, 27%, 88%
XYZ	53.5299, 66.0070, 70.5243
YIQ	204.0510, -31.5410, -17.5970

Conversions

Conversions Part 2

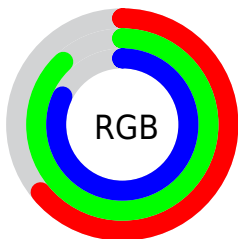
Format	Color
RYB	163, 198, 224
Decimal	10739921
CIELab	85.00, -22.43, 1.09
CIELCh	85, 22.461, 177.208
Yxy	66.0070, 0.2816, 0.3473
Android (android.graphics.Color)	4288930001 (0xFFA3E0D1)
YUV	204.0510, 2.4399, -36.0017
Hunter-Lab	81.2447, -24.5696, 5.4048

Details

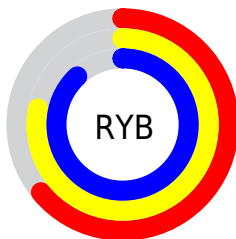
The CIELCh color **85, 22.461, 177.208** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **73, 24.753, 2.787**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 12.126, 198.696**, and **65, 22.703, 177.334** is the 20% darker color. If you saturate the color by 10%, you get **84, 30.034, 176.102**, and if you desaturate by 10%, it is **86, 14.441, 178.238**.

Distribution



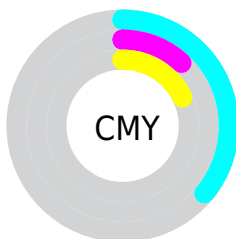
- Red (64%)
- Green (88%)
- Blue (82%)



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



- Cyan (27%)
- Magenta (0%)
- Yellow (7%)
- Black (12%)



- Cyan (36%)
- Magenta (12%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 22.461, 177.208 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, 22.461, 177.208 by changing the saturation by 10% instead.

 85, 22.461,
177.208

 85, 22.461,
177.208

 100, 22.461,
177.208

 75, 22.461,
177.208

 65, 22.461,
177.208

 55, 22.461,
177.208

 45, 22.461,
177.208

 35, 22.461,
177.208

 25, 22.461,
177.208

 15, 22.461,

177.208

■ 5, 22.461, 177.208

■ 0, 22.461, 177.208

■ 85, 22.461,
177.208

■ 85, 22.461,
177.208

■ 84, 30.034,
176.102

■ 86, 14.441,
178.238

■ 83, 37.011,
174.905

■ 88, 6.107, 179.244

■ 82, 43.256,
173.591

■ 90, 2.417, 359.833

■ 81, 48.652,
172.136

■ 92, 11.027, 0.866

■ 81, 53.131,

■ 92, 12.761,
349.729

170.515

92, 14.371,
339.859

80, 56.690,
168.709

92, 16.331,
332.213

80, 59.421,
166.721

93, 18.529,
326.341

80, 60.121,
166.158

93, 19.111,
325.088

Harmonies

Complementary

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



85, 22.461, 177.208



73, 24.753, 2.787

Rectangle

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



85, 22.461, 177.208



85, 22.461, 227.208



85, 22.461, 357.208



85, 22.461, 47.208

Sweetspot

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



85, 22.462, 177.205



98, 7.535, 179.153



85, 36.183, 135.953



52, 5.347, 178.999



0, 0.000, 0.000



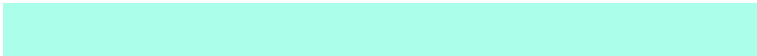
53, 0.007, 296.813

Same Dimension

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



85, 22.462, 177.205



94, 29.849, 176.548



81, 16.874, 227.348



46, 4.815, 179.012



64, 49.868, 166.517



17, 19.464, 170.316

Inverse Universe

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



73, 24.753, 2.787



79, 33.673, 3.669



76, 20.138, 44.432



44, 4.975, 0.648



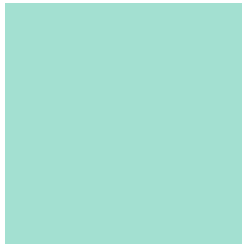
37, 68.242, 25.585



6, 25.294, 10.425

Previews

White Background



This preview shows how the CIELCh color 85, 22.461, 177.208 looks on a white background.

Color Contrast Check

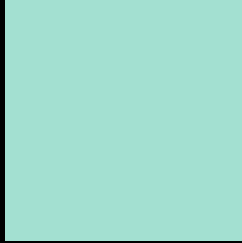
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 85, 22.461, 177.208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

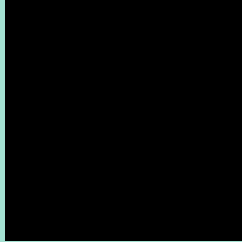
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

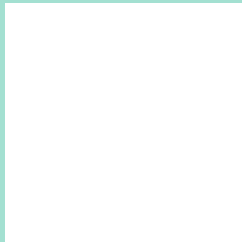
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 22.461, 177.208

Background



This preview shows how black text looks on a background with the CIELCh color 85, 22.461, 177.208.

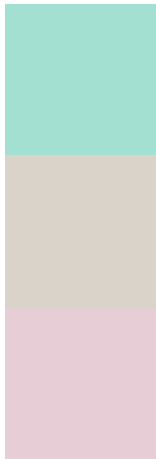


This preview shows how white text looks on a background with the CIELCh color 85, 22.461, 177.208.

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, 22.461, 177.208

Protanopia
85, 5.363, 80.884

Deuteranopia
85, 10.639, 353.866

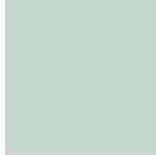


Tritanopia
85, 18.723, 229.032

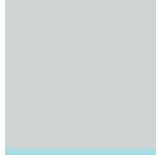
Trichromacy



Original Color
85, 22.461, 177.208



Protanomaly
85, 8.754, 157.532



Deuteranomaly
84, 2.153, 199.516

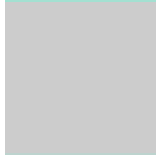


Tritanomaly
85, 18.316, 208.208

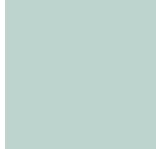
Monochromacy



Original Color
85, 22.461, 177.208



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, 22.461, 177.208 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, 224, 209)` looks like.

```
.text, #text, p{  
    color:rgb(163, 224, 209)  
}
```

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, 224, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 224, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 22.461, 177.208 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, 224, 209) }
```

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

```
.border{ border-color:rgb(163, 224, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 224, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 224, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 224, 209);  
box-shadow:4px 4px 4px 4px rgb(163, 224,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 22.461, 177.208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 224, 209) }
```

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

```
.background{ background-color: rgb(163,  
224, 209) }
```

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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