

Converting Colors

CIELCh(83, 21.075, 171.405)

Have a look what the booklet for
CIELCh(83, 21.075, 171.405)
contains.

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Color

CIElCh(83, 21.280, 171.301)

Conversions

Conversions Part 1

Format	Color
Hex	A4DAC8
RGB	164, 218, 200
RGB Percent	64%, 85%, 78%
CMY	0.3571, 0.1453, 0.2159
CMYK	0.25, 0.00, 0.08, 0.15
HSL	160°, 42%, 75%
HSV	160°, 25%, 85%
XYZ	50.7701, 62.1629, 63.9279
YIQ	199.8020, -26.4060, -17.0460

Conversions

Conversions Part 2

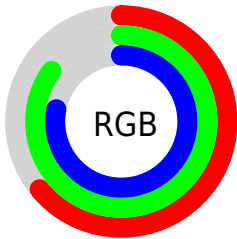
Format	Color
RYB	164, 196, 218
Decimal	10803912
CIELab	83.00, -21.04, 3.22
CIElCh	83, 21.280, 171.301
Yxy	62.1629, 0.2871, 0.3515
Android (android.graphics.Color)	4288993992 (0xFFA4DAC8)
YUV	199.8020, 0.0976, -31.3984
Hunter-Lab	78.8435, -23.0337, 7.1169

Details

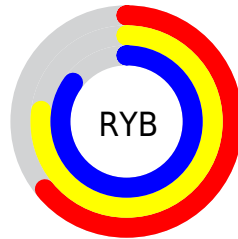
The CIELCh color **83, 21.280, 171.301** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **73, 22.689, 356.271**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 11.803, 198.717**, and **63, 21.324, 171.008** is the 20% darker color. If you saturate the color by 10%, you get **82, 29.404, 170.166**, and if you desaturate by 10%, it is **85, 12.825, 172.344**.

Distribution



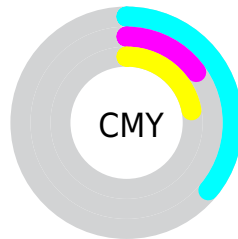
- Red (64%)
- Green (85%)
- Blue (78%)



- Red (64%)
- Yellow (77%)
- Blue (85%)



- Cyan (25%)
- Magenta (0%)
- Yellow (8%)
- Black (15%)





- Cyan (36%)
- Magenta (15%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 21.280, 171.301 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 83, 21.280, 171.301 by changing the saturation by 10% instead.


 83, 21.280,
171.301


 83, 21.280,
171.301


 100, 21.280,
171.301


 73, 21.280,
171.301

 63, 21.280,
171.301

 53, 21.280,
171.301

 43, 21.280,
171.301

 33, 21.280,
171.301

 23, 21.280,
171.301

 13, 21.280,

171.301

■ 3, 21.280, 171.301

■ 0, 21.280, 171.301

■ 83, 21.280,
171.301

■ 83, 21.280,
171.301

■ 82, 29.404,
170.166

■ 85, 12.825,
172.344

■ 81, 37.049,
168.922

■ 86, 4.168, 173.376

■ 80, 44.069,
167.540

■ 88, 4.578, 354.034

■ 79, 50.334,
165.996

■ 90, 13.321,
354.937

■ 78, 55.750,

■ 91, 16.351,
345.185

164.264

91, 18.704,
335.676

78, 60.283,
162.328

91, 21.474,
328.525

77, 63.980,
160.189

91, 23.207,
325.232

77, 65.699,
159.042

Harmonies

Complementary

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



83, 21.280, 171.301



73, 22.689, 356.271

Rectangle

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



83, 21.280, 171.301



83, 21.280, 221.301



83, 21.280, 351.301



83, 21.280, 41.301

Sweetspot

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



83, 21.281, 171.299



99, 6.932, 173.126



83, 31.259, 133.006



52, 4.503, 173.063



0, 0.000, 0.000



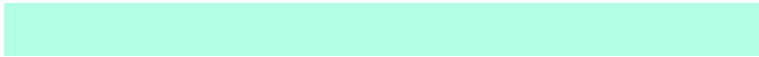
53, 0.007, 296.813

Same Dimension

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



83, 21.281, 171.299



95, 29.037, 170.690



81, 15.837, 214.242



45, 4.969, 172.883



63, 55.045, 159.420



16, 20.577, 163.926

Inverse Universe

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



73, 22.689, 356.271



81, 31.423, 356.993



74, 18.805, 34.165



43, 5.092, 354.521



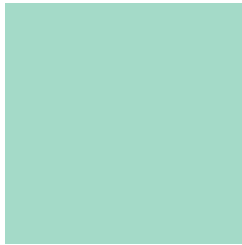
36, 64.650, 17.753



6, 23.998, 5.144

Previews

White Background



This preview shows how the CIELCh color 83, 21.280, 171.301 looks on a white background.

Color Contrast Check

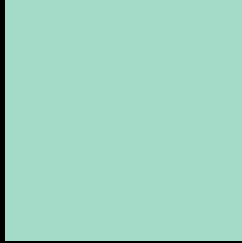
Large Text (above 18pt) WCAG AA × Fail

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 83, 21.280, 171.301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

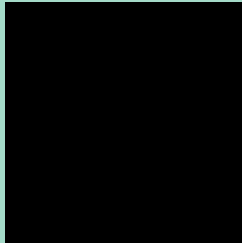
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

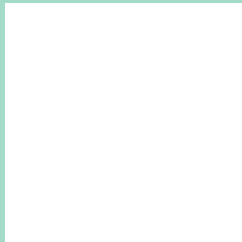
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 21.280, 171.301

Background



This preview shows how black text looks on a background with the CIELCh color 83, 21.280, 171.301.

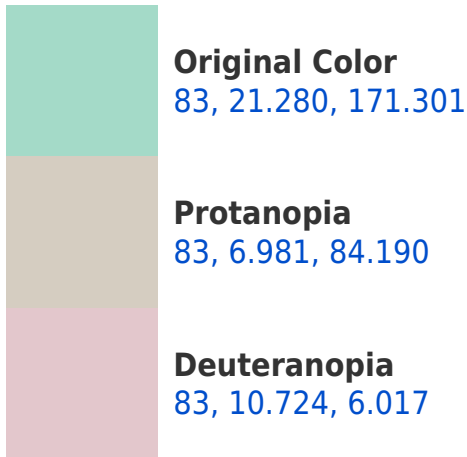


This preview shows how white text looks on a background with the CIELCh color 83, 21.280, 171.301.

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](#).

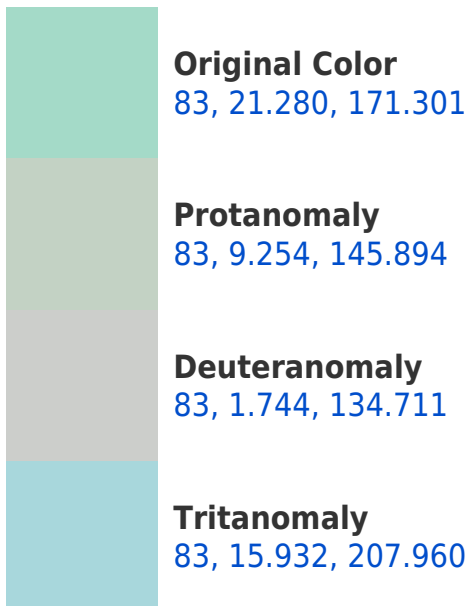
Dichromacy



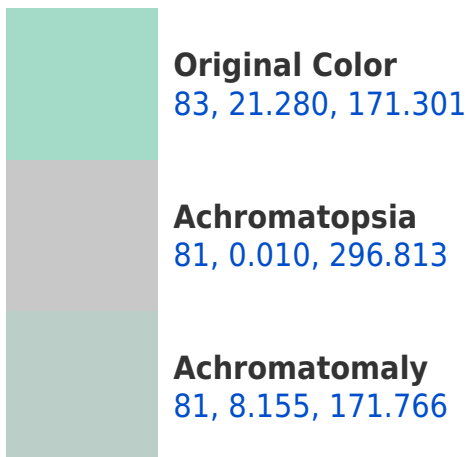


Tritanopia
83, 16.761, 233.410

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 21.280, 171.301 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(164, 218, 200)` looks like.

```
.text, #text, p{  
    color:rgb(164, 218, 200)  
}
```

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(164, 218, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 218, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 21.280, 171.301 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(164, 218, 200) }
```

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

```
.border{ border-color:rgb(164, 218, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 218, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 218, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 218, 200);  
box-shadow:4px 4px 4px 4px rgb(164, 218,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 21.280, 171.301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 218, 200) }
```

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

```
.background{ background-color: rgb(164,  
218, 200) }
```

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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