

Converting Colors

CIELCh(83, 43.029, 177.505)

Have a look what the booklet for
CIELCh(83, 43.029, 177.505)
contains.

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Color

CIELCh(83, 42.970, 177.739)

Conversions

Conversions Part 1

Format	Color
Hex	5DE4CA
RGB	93, 228, 202
RGB Percent	36%, 89%, 79%
CMY	0.6347, 0.1054, 0.2073
CMYK	0.59, 0.00, 0.11, 0.11
HSL	168°, 72%, 63%
HSV	168°, 59%, 89%
XYZ	42.9834, 62.1629, 65.6882
YIQ	184.6710, -72.1140, -36.7060

Conversions

Conversions Part 2

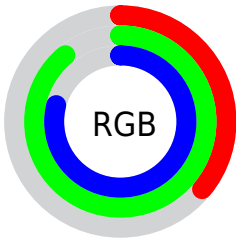
Format	Color
R_{YB}	93, 168, 228
Decimal	6153418
CIE _{Lab}	83.00, -42.94, 1.70
CIE _{LCh}	83, 42.970, 177.739
Yxy	62.1629, 0.2516, 0.3639
Android (android.graphics.Color)	4284343498 (0xFF5DE4CA)
YUV	184.6710, 8.5432, -80.3955
Hunter-Lab	78.8435, -40.6625, 5.7932

Details

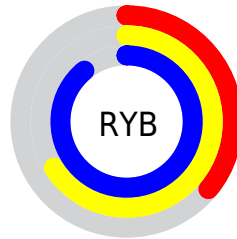
The CIELCh color **83, 42.970, 177.739** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **58, 56.055, 13.137**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 30.658, 197.530**, and **63, 42.880, 177.519** is the 20% darker color. If you saturate the color by 10%, you get **82, 47.775, 176.399**, and if you desaturate by 10%, it is **84, 37.256, 178.956**.

Distribution



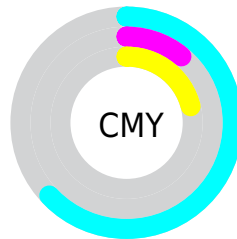
- Red (36%)
- Green (89%)
- Blue (79%)



- Red (36%)
- Yellow (66%)
- Blue (89%)



- Cyan (59%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)





- Cyan (63%)
- Magenta (11%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 42.970, 177.739 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, 42.970, 177.739 by changing the saturation by 10% instead.


 83, 42.970,
177.739


 83, 42.970,
177.739


 100, 42.970,
177.739


 73, 42.970,
177.739

 63, 42.970,
177.739

 53, 42.970,
177.739

 43, 42.970,
177.739

 33, 42.970,
177.739

 23, 42.970,
177.739

 13, 42.970,

177.739

■ 3, 42.970, 177.739

■ 0, 42.970, 177.739

■ 83, 42.970,
177.739

■ 83, 42.970,
177.739

■ 82, 47.775,
176.399

■ 84, 37.256,
178.956

■ 82, 51.620,
174.917

■ 85, 30.735,
180.077

■ 82, 54.524,
173.270

■ 86, 23.536,
181.121

■ 81, 56.645,
171.474

■ 87, 15.804,
182.109

■ 81, 56.810,

■ 89, 7.680, 183.072

171.326

■ 91, 0.709, 3.085

■ 93, 9.252, 4.670

■ 93, 10.746,
354.152

■ 93, 11.877,
344.266

Harmonies

Complementary

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



83, 42.970, 177.739



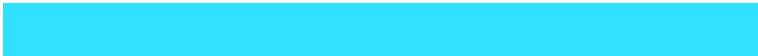
58, 56.055, 13.137

Rectangle

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



83, 42.970, 177.739



83, 42.970, 227.739



83, 42.970, 357.739



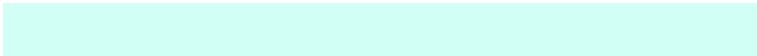
83, 42.970, 47.739

Sweetspot

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



83, 42.970, 177.738



97, 16.275, 182.211



82, 78.454, 135.271



51, 11.247, 181.927



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, 42.970, 177.738



91, 53.011, 176.077



72, 32.962, 240.361



47, 4.779, 183.043



65, 47.101, 171.644



18, 19.043, 174.811

Inverse Universe

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



58, 56.055, 13.137



59, 72.875, 17.144



65, 49.371, 48.888



45, 4.965, 4.630



37, 71.358, 29.851



7, 26.674, 13.723

Previews

White Background



This preview shows how the CIE LCh color 83, 42.970, 177.739 looks on a white background.

Color Contrast Check

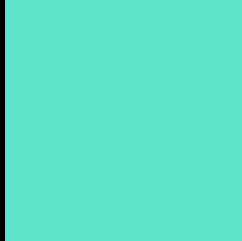
Large Text (above 18pt) WCAG AA × Fail

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 83, 42.970, 177.739 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

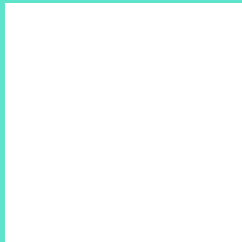
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 42.970, 177.739

Background



This preview shows how black text looks on a background with the CIELCh color 83, 42.970, 177.739.

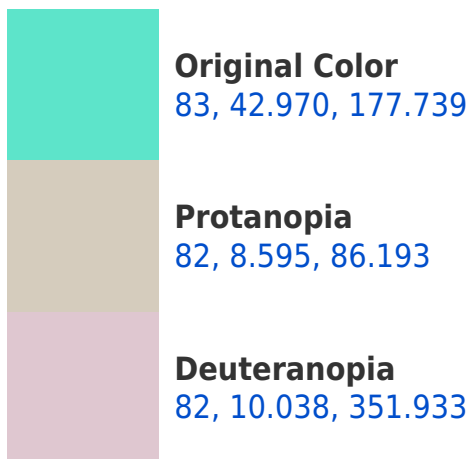


This preview shows how white text looks on a background with the CIELCh color 83, 42.970, 177.739.

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



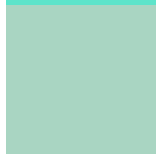


Tritanopia
83, 33.401, 214.094

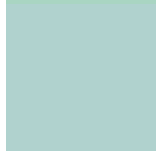
Trichromacy



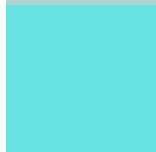
Original Color
83, 42.970, 177.739



Protanomaly
82, 18.772, 165.612



Deuteranomaly
82, 12.153, 188.467



Tritanomaly
83, 35.219, 198.800

Monochromacy



Original Color
83, 42.970, 177.739



Achromatopsia
75, 0.009, 296.813



Achromatomaly
77, 18.067, 180.720

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 42.970, 177.739 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(93, 228, 202)` looks like.

```
.text, #text, p{  
    color:rgb(93, 228, 202)  
}
```

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(93, 228, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 228, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 42.970, 177.739 is called "border". The border property can be set on classes, ids or directly on the HTML element.

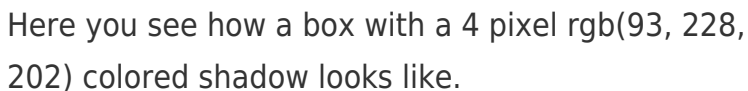
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(93, 228, 202) }
```

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

```
.border{ border-color:rgb(93, 228, 202) }
```

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



Here you see how a box with a 4 pixel `rgb(93, 228, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 228, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 228, 202);  
box-shadow:4px 4px 4px 4px rgb(93, 228,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 42.970, 177.739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 228, 202) }
```

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

```
.background{ background-color: rgb(93, 228,  
202) }
```

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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