

Converting Colors

CIELCh(83, 42.727, 179.252)

Have a look what the booklet for
CIELCh(83, 42.727, 179.252)
contains.

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Color

CIELCh(83, 42.809, 179.163)

Conversions

Conversions Part 1

Format	Color
Hex	5BE4CC
RGB	91, 228, 204
RGB Percent	36%, 89%, 80%
CMY	0.6425, 0.1053, 0.1995
CMYK	0.60, 0.00, 0.11, 0.11
HSL	169°, 72%, 63%
HSV	169°, 60%, 89%
XYZ	43.0278, 62.1629, 66.9437
YIQ	184.3010, -73.9480, -36.5080

Conversions

Conversions Part 2

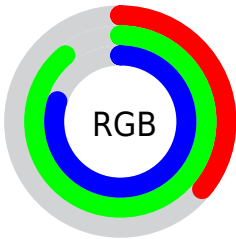
Format	Color
RYB	91, 166, 228
Decimal	6022348
CIELab	83.00, -42.80, 0.63
CIELCh	83, 42.809, 179.163
Yxy	62.1629, 0.2500, 0.3611
Android (android.graphics.Color)	4284212428 (0xFF5BE4CC)
YUV	184.3010, 9.7116, -81.8250
Hunter-Lab	78.8435, -40.5620, 4.8490

Details

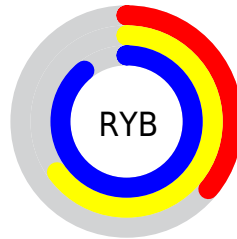
The CIELCh color **83, 42.809, 179.163** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **57, 56.992, 14.728**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.155, 197.500**, and **63, 42.290, 178.893** is the 20% darker color. If you saturate the color by 10%, you get **82, 47.382, 177.874**, and if you desaturate by 10%, it is **84, 37.311, 180.337**.

Distribution



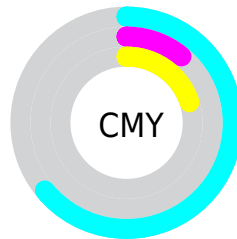
- Red (36%)
- Green (89%)
- Blue (80%)



- Red (36%)
- Yellow (65%)
- Blue (89%)



- Cyan (60%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)





- Cyan (64%)
- Magenta (11%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 42.809, 179.163 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, 42.809, 179.163 by changing the saturation by 10% instead.


 83, 42.809,
179.163


 83, 42.809,
179.163


 100, 42.809,
179.163


 73, 42.809,
179.163

 63, 42.809,
179.163

 53, 42.809,
179.163

 43, 42.809,
179.163

 33, 42.809,
179.163

 23, 42.809,
179.163

 13, 42.809,

179.163

■ 3, 42.809, 179.163

■ 0, 42.809, 179.163

■ 83, 42.809,
179.163

■ 83, 42.809,
179.163

■ 82, 47.382,
177.874

■ 84, 37.311,
180.337

■ 82, 50.986,
176.452

■ 85, 30.981,
181.423

■ 82, 53.649,
174.875

■ 86, 23.948,
182.439

■ 81, 55.558,
173.172

■ 87, 16.354,
183.405

■ 89, 8.338, 184.347

■ 91, 0.032, 203.249

■ 93, 8.455, 5.924

■ 93, 10.503,
357.124

■ 93, 11.430,
347.559

Harmonies

Complementary

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



83, 42.809, 179.163



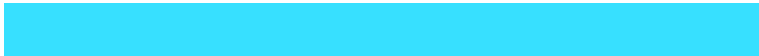
57, 56.992, 14.728

Rectangle

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



83, 42.809, 179.163



83, 42.809, 229.163



83, 42.809, 359.163



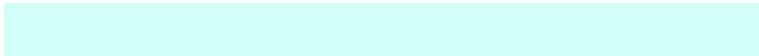
83, 42.809, 49.163

Sweetspot

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



83, 42.809, 179.162



97, 16.137, 183.587



82, 79.827, 135.602



51, 11.148, 183.310



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, 42.809, 179.162



91, 52.578, 177.546



71, 33.637, 243.228



47, 4.743, 184.403



65, 46.079, 173.474



18, 18.701, 176.467

Inverse Universe

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



57, 56.992, 14.728



59, 74.147, 18.891



65, 49.943, 50.371



45, 4.938, 5.962



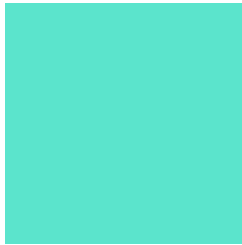
37, 72.183, 31.107



7, 26.693, 14.457

Previews

White Background



This preview shows how the CIE LCh color 83, 42.809, 179.163 looks on a white background.

Color Contrast Check

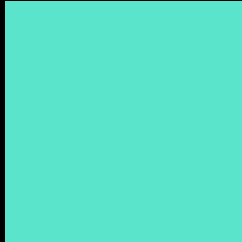
Large Text (above 18pt) WCAG AA × Fail

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, 42.809, 179.163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

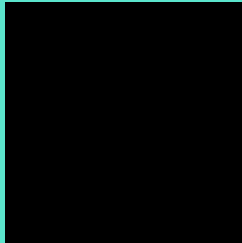
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

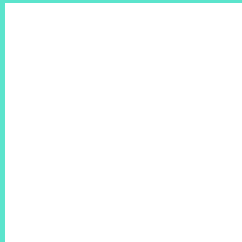
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 42.809, 179.163

Background



This preview shows how black text looks on a background with the CIELCh color 83, 42.809, 179.163.

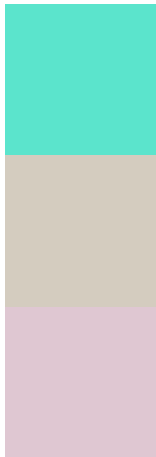


This preview shows how white text looks on a background with the CIELCh color 83, 42.809, 179.163.

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
83, 42.809, 179.163

Protanopia
82, 7.471, 85.841

Deuteranopia
82, 10.561, 346.859



Tritanopia
83, 33.774, 213.883

Trichromacy



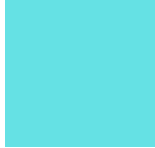
Original Color
83, 42.809, 179.163



Protanomaly
82, 18.454, 168.823



Deuteranomaly
82, 12.269, 193.570

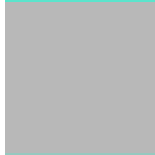


Tritanomaly
83, 35.514, 199.637

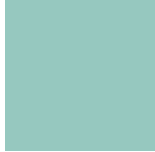
Monochromacy



Original Color
83, 42.809, 179.163



Achromatopsia
75, 0.009, 296.813



Achromatomaly
77, 18.188, 182.569

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 42.809, 179.163 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(91, 228, 204)` looks like.

```
.text, #text, p{  
    color:rgb(91, 228, 204)  
}
```

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(91, 228, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 228, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 42.809, 179.163 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(91, 228, 204) }
```

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

```
.border{ border-color:rgb(91, 228, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 228, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 228, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 228, 204);  
box-shadow:4px 4px 4px 4px rgb(91, 228,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 42.809, 179.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 228, 204) }
```

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

```
.background{ background-color: rgb(91, 228,  
204) }
```

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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