

Converting Colors

CIELCh(83, 40.756, 196.704)

Have a look what the booklet for
CIELCh(83, 40.756, 196.704)
contains.

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Color

CIELCh(83, 40.679, 196.714)

Conversions

Conversions Part 1

Format	Color
Hex	4AE3E3
RGB	74, 227, 227
RGB Percent	29%, 89%, 89%
CMY	0.7080, 0.1085, 0.1085
CMYK	0.67, 0.00, 0.00, 0.11
HSL	180°, 73%, 59%
HSV	180°, 67%, 89%
XYZ	44.3333, 62.1629, 82.5779
YIQ	181.2530, -91.1880, -32.4360

Conversions

Conversions Part 2

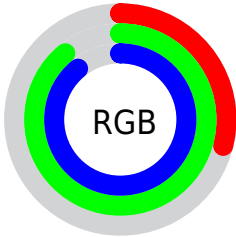
Format	Color
RYB	74, 151, 227
Decimal	4908003
CIELab	83.00, -38.96, -11.70
CIELCh	83, 40.679, 196.714
Yxy	62.1629, 0.2345, 0.3288
Android (android.graphics.Color)	4283098083 (0xFF4AE3E3)
YUV	181.2530, 22.5533, -94.0609
Hunter-Lab	78.8435, -37.6065, -6.9078

Details

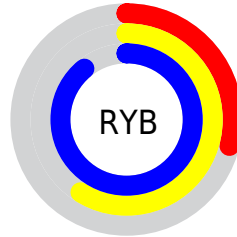
The CIELCh color **83, 40.679, 196.714** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **54, 67.914, 29.685**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.784, 197.342**, and **63, 36.999, 197.282** is the 20% darker color. If you saturate the color by 10%, you get **83, 43.325, 196.545**, and if you desaturate by 10%, it is **84, 37.017, 196.946**.

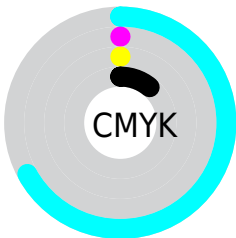
Distribution



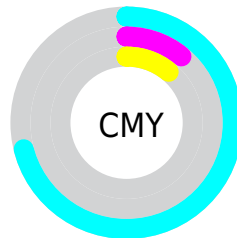
- Red (29%)
- Green (89%)
- Blue (89%)



- Red (29%)
- Yellow (59%)
- Blue (89%)



- Cyan (67%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)





- Cyan (71%)
- Magenta (11%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 40.679, 196.714 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, 40.679, 196.714 by changing the saturation by 10% instead.


 83, 40.679,
196.714


 83, 40.679,
196.714


 100, 40.679,
196.714


 73, 40.679,
196.714

 63, 40.679,
196.714

 53, 40.679,
196.714

 43, 40.679,
196.714

 33, 40.679,
196.714

 23, 40.679,
196.714

 13, 40.679,

196.714

■ 3, 40.679, 196.714

■ 0, 40.679, 196.714

■ 83, 40.679,
196.714

■ 83, 40.679,
196.714

■ 83, 43.325,
196.545

■ 84, 37.017,
196.946

■ 82, 44.993,
196.440

■ 84, 32.365,
197.247

■ 82, 45.802,
196.389

■ 85, 26.799,
197.613

■ 82, 45.951,
196.380

■ 86, 20.426,
198.041

■ 88, 13.373,

198.530

■ 89, 5.773, 199.108

■ 91, 2.248, 19.289

■ 93, 10.076, 20.048

■ 93, 10.076, 20.045

Harmonies

Complementary

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



83, 40.679, 196.714



54, 67.914, 29.685

Rectangle

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



83, 40.679, 196.714



83, 40.679, 246.714



83, 40.679, 16.714



83, 40.679, 66.714

Sweetspot

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



83, 40.679, 196.713



97, 16.872, 198.382



80, 90.878, 138.132



51, 11.403, 198.243



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, 40.679, 196.713



91, 48.156, 196.493



62, 44.521, 268.746



47, 4.537, 198.966



66, 38.348, 196.380



18, 16.092, 196.381

Inverse Universe

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



54, 67.914, 29.685



56, 90.308, 34.634



68, 55.275, 65.257



45, 4.817, 19.932



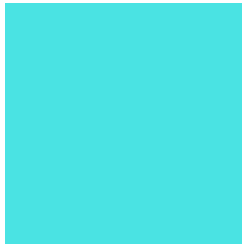
37, 79.982, 39.970



6, 27.105, 21.756

Previews

White Background



This preview shows how the CIE LCh color 83, 40.679, 196.714 looks on a white background.

Color Contrast Check

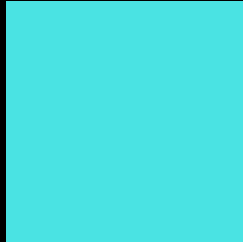
Large Text (above 18pt) WCAG AA × Fail

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, 40.679, 196.714 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, 40.679, 196.714

Background



This preview shows how black text looks on a background with the CIELCh color 83, 40.679, 196.714.

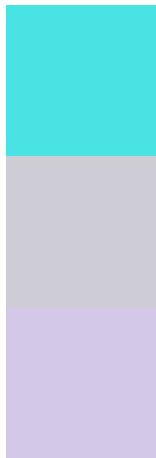


This preview shows how white text looks on a background with the CIELCh color 83, 40.679, 196.714.

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](#).

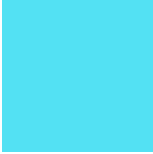
Dichromacy



Original Color
83, 40.679, 196.714

Protanopia
82, 4.836, 299.121

Deuteranopia
82, 18.054, 304.950



Tritanopia
83, 37.941, 211.766

Trichromacy



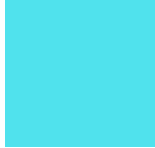
Original Color
83, 40.679, 196.714



Protanomaly
82, 18.096, 208.397



Deuteranomaly
82, 18.786, 235.140

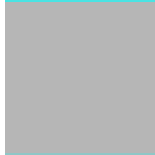


Tritanomaly
83, 38.691, 205.676

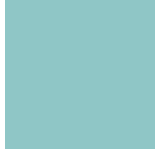
Monochromacy



Original Color
83, 40.679, 196.714



Achromatopsia
74, 0.009, 296.813



Achromatomaly
76, 18.595, 198.031

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 40.679, 196.714 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(74, 227, 227)` looks like.

```
.text, #text, p{  
    color:rgb(74, 227, 227)  
}
```

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(74, 227, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 227, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 40.679, 196.714 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(74, 227, 227) }
```

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

```
.border{ border-color:rgb(74, 227, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 227, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 227, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 227, 227);  
box-shadow:4px 4px 4px 4px rgb(74, 227,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 40.679, 196.714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 227, 227) }
```

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

```
.background{ background-color: rgb(74, 227,  
227) }
```

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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