

Converting Colors

CIELCh(83, 41.434, 176.434)

Have a look what the booklet for
CIELCh(83, 41.434, 176.434)
contains.

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Color

CIELCh(83, 41.070, 176.956)

Conversions

Conversions Part 1

Format	Color
Hex	66E3C9
RGB	102, 227, 201
RGB Percent	40%, 89%, 79%
CMY	0.5988, 0.1087, 0.2107
CMYK	0.55, 0.00, 0.11, 0.11
HSL	168°, 69%, 65%
HSV	168°, 55%, 89%
XYZ	43.6333, 62.1629, 65.1234
YIQ	186.6610, -66.1540, -34.5860

Conversions

Conversions Part 2

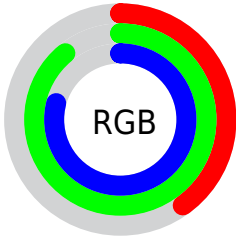
Format	Color
RYB	102, 172, 227
Decimal	6742985
CIELab	83.00, -41.01, 2.18
CIELCh	83, 41.070, 176.956
Yxy	62.1629, 0.2553, 0.3637
Android (android.graphics.Color)	4284933065 (0xFF66E3C9)
YUV	186.6610, 7.0691, -74.2477
Hunter-Lab	78.8435, -39.1912, 6.2179

Details

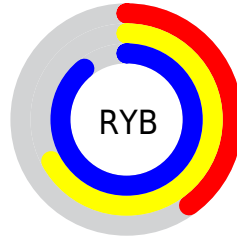
The CIELCh color **83, 41.070, 176.956** is a light color, and the websafe version is hex **33CCCC**. A complement of this color would be **59, 51.895, 10.827**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 28.874, 197.638**, and **63, 41.106, 176.821** is the 20% darker color. If you saturate the color by 10%, you get **82, 46.382, 175.624**, and if you desaturate by 10%, it is **84, 34.900, 178.166**.

Distribution



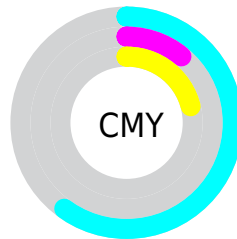
- Red (40%)
- Green (89%)
- Blue (79%)



- Red (40%)
- Yellow (67%)
- Blue (89%)



- Cyan (55%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)



- Cyan (60%)
- Magenta (11%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 41.070, 176.956 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, 41.070, 176.956 by changing the saturation by 10% instead.

■ 83, 41.070,
176.956

■ 83, 41.070,
176.956

■ 100, 41.070,
176.956

■ 73, 41.070,
176.956

■ 63, 41.070,
176.956

■ 53, 41.070,
176.956

■ 43, 41.070,
176.956

■ 33, 41.070,
176.956

■ 23, 41.070,
176.956

■ 13, 41.070,

176.956

■ 3, 41.070, 176.956

■ 0, 41.070, 176.956

■ 83, 41.070,
176.956

■ 83, 41.070,
176.956

■ 82, 46.382,
175.624

■ 84, 34.900,
178.166

■ 82, 50.758,
174.151

■ 85, 27.989,
179.283

■ 81, 54.184,
172.512

■ 86, 20.476,
180.324

■ 81, 56.728,
170.698

■ 88, 12.506,
181.312

■ 81, 57.792,

■ 89, 4.214, 182.320

169.754

■ 91, 4.279, 2.935

■ 93, 10.646, 0.070

■ 93, 11.661,
348.732

■ 93, 13.066,
339.550

Harmonies

Complementary

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



83, 41.070, 176.956



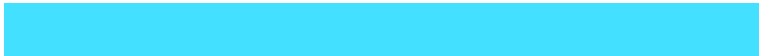
59, 51.895, 10.827

Rectangle

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



83, 41.070, 176.956



83, 41.070, 226.956



83, 41.070, 356.956



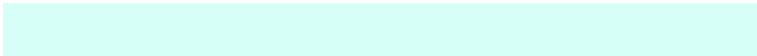
83, 41.070, 46.956

Sweetspot

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



83, 41.070, 176.955



97, 14.631, 181.204



82, 72.958, 135.131



51, 9.844, 181.001



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, 41.070, 176.955



91, 51.344, 175.423



74, 30.925, 236.677



47, 4.813, 181.852



65, 48.036, 170.081



18, 19.356, 173.387

Inverse Universe

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



59, 51.895, 10.827



61, 67.998, 14.150



66, 45.353, 47.415



45, 4.993, 3.459



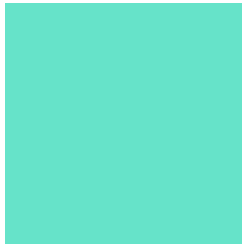
37, 70.644, 28.685



7, 26.661, 13.064

Previews

White Background



This preview shows how the CIE LCh color 83, 41.070, 176.956 looks on a white background.

Color Contrast Check

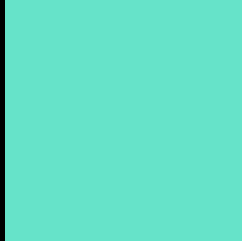
Large Text (above 18pt) WCAG AA × Fail

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, 41.070, 176.956 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, 41.070, 176.956

Background



This preview shows how black text looks on a background with the CIELCh color 83, 41.070, 176.956.

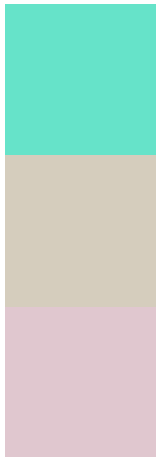


This preview shows how white text looks on a background with the CIELCh color 83, 41.070, 176.956.

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, 41.070, 176.956

Protanopia
83, 8.942, 89.696

Deuteranopia
82, 10.146, 355.610



Tritanopia
83, 31.832, 215.044

Trichromacy



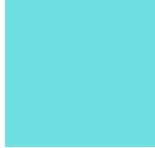
Original Color
83, 41.070, 176.956



Protanomaly
82, 17.970, 162.028



Deuteranomaly
82, 10.503, 186.994

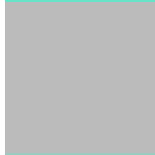


Tritanomaly
83, 33.582, 198.984

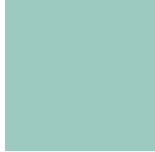
Monochromacy



Original Color
83, 41.070, 176.956



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 17.127, 179.847

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 41.070, 176.956 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(102, 227, 201)` looks like.

```
.text, #text, p{  
    color:rgb(102, 227, 201)  
}
```

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(102, 227, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 227, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 41.070, 176.956 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(102, 227, 201) }
```

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

```
.border{ border-color:rgb(102, 227, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 227, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 227, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 227, 201);  
box-shadow:4px 4px 4px 4px rgb(102, 227,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 41.070, 176.956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 227, 201) }
```

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

```
.background{ background-color: rgb(102,  
227, 201) }
```

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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