

Converting Colors

CIELCh(80, 43.697, 177.670)

Have a look what the booklet for
CIELCh(80, 43.697, 177.670)
contains.

CIELCh(80, 43.687, 177.790)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(80, 43.687, 177.790)

Conversions

Conversions Part 1

Format	Color
Hex	50DCC2
RGB	80, 220, 194
RGB Percent	31%, 86%, 76%
CMY	0.6871, 0.1379, 0.2399
CMYK	0.64, 0.00, 0.12, 0.14
HSL	169°, 67%, 59%
HSV	169°, 64%, 86%
XYZ	38.5586, 56.6813, 59.8509
YIQ	175.1760, -75.0940, -37.7660

Conversions

Conversions Part 2

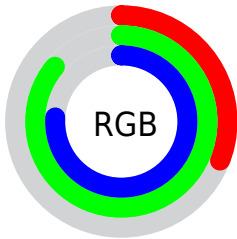
Format	Color
RYB	80, 157, 220
Decimal	5299394
CIELab	80.00, -43.65, 1.68
CIELCh	80, 43.687, 177.790
Yxy	56.6813, 0.2486, 0.3655
Android (android.graphics.Color)	4283489474 (0xFF50DCC2)
YUV	175.1760, 9.2802, -83.4694
Hunter-Lab	75.2870, -40.3325, 5.5671

Details

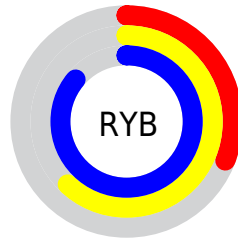
The CIELCh color **80, 43.687, 177.790** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **54, 58.526, 14.986**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.096, 192.927**, and **60, 41.408, 177.496** is the 20% darker color. If you saturate the color by 10%, you get **79, 47.884, 176.419**, and if you desaturate by 10%, it is **81, 38.578, 179.032**.

Distribution



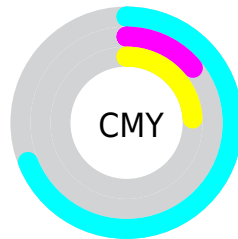
- Red (31%)
- Green (86%)
- Blue (76%)



- Red (31%)
- Yellow (62%)
- Blue (86%)



- Cyan (64%)
- Magenta (0%)
- Yellow (12%)
- Black (14%)





- Cyan (69%)
- Magenta (14%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 43.687, 177.790 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 80, 43.687, 177.790 by changing the saturation by 10% instead.


 80, 43.687,
177.790


 80, 43.687,
177.790


 100, 43.687,
177.790


 70, 43.687,
177.790

 60, 43.687,
177.790

 50, 43.687,
177.790

 40, 43.687,
177.790

 30, 43.687,
177.790

 20, 43.687,
177.790

 10, 43.687,

177.790

■ 0, 43.687, 177.790

■ 80, 43.687,
177.790

■ 80, 43.687,
177.790

■ 79, 47.884,
176.419

■ 81, 38.578,
179.032

■ 79, 51.147,
174.900

■ 82, 32.634,
180.173

■ 79, 53.532,
173.218

■ 83, 25.971,
181.232

■ 79, 54.722,
172.104

■ 84, 18.723,
182.229

■ 85, 11.028,
183.186

■ 87, 3.017, 184.212

■ 89, 5.196, 4.780

■ 91, 13.274, 5.380

■ 91, 13.898,
356.925

Harmonies

Complementary

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



80, 43.687, 177.790



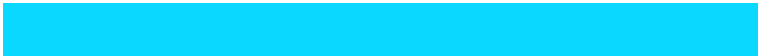
54, 58.526, 14.986

Rectangle

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



80, 43.687, 177.790



80, 43.687, 227.790



80, 43.687, 357.790



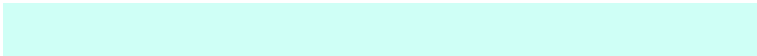
80, 43.687, 47.790

Sweetspot

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



80, 43.687, 177.789



97, 17.087, 182.667



79, 81.076, 135.005



51, 11.693, 182.390



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 43.687, 177.789



91, 54.740, 175.990



68, 33.734, 241.617



45, 4.589, 183.594



63, 45.670, 172.415



16, 17.628, 175.886

Inverse Universe

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



54, 58.526, 14.986



58, 77.471, 19.695



61, 52.364, 48.840



43, 4.771, 5.161



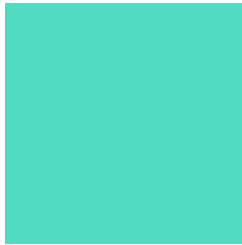
36, 70.085, 30.239



5, 23.734, 12.244

Previews

White Background



This preview shows how the CIE LCh color 80, 43.687, 177.790 looks on a white background.

Color Contrast Check

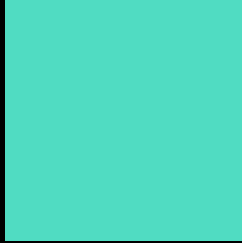
Large Text (above 18pt) WCAG AA × Fail

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 80, 43.687, 177.790 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

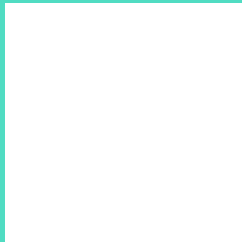
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 43.687, 177.790

Background



This preview shows how black text looks on a background with the CIELCh color 80, 43.687, 177.790.

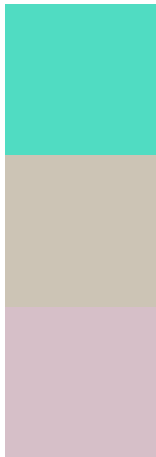


This preview shows how white text looks on a background with the CIELCh color 80, 43.687, 177.790.

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
80, 43.687, 177.790

Protanopia
79, 8.518, 88.513

Deuteranopia
79, 9.786, 350.895

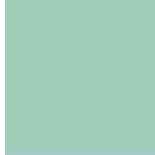


Tritanopia
80, 33.756, 213.975

Trichromacy



Original Color
80, 43.687, 177.790



Protanomaly
79, 19.471, 166.536



Deuteranomaly
78, 12.776, 191.229

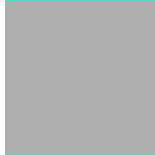


Tritanomaly
80, 35.764, 198.682

Monochromacy



Original Color
80, 43.687, 177.790



Achromatopsia
71, 0.009, 296.813



Achromatomaly
74, 18.607, 182.697

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 43.687, 177.790 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(80, 220, 194)` looks like.

```
.text, #text, p{  
    color:rgb(80, 220, 194)  
}
```

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(80, 220, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 220, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 43.687, 177.790 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(80, 220, 194) }
```

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

```
.border{ border-color:rgb(80, 220, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 220, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 220, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 220, 194);  
box-shadow:4px 4px 4px 4px rgb(80, 220,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 43.687, 177.790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 220, 194) }
```

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

```
.background{ background-color: rgb(80, 220,  
194) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor