

Converting Colors

CIELCh(80, 42.679, 186.524)

Have a look what the booklet for
CIELCh(80, 42.679, 186.524)
contains.

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Color

CIELCh(80, 42.729, 186.318)

Conversions

Conversions Part 1

Format	Color
Hex	43DCCE
RGB	67, 220, 206
RGB Percent	26%, 86%, 81%
CMY	0.7386, 0.1382, 0.1931
CMYK	0.70, 0.00, 0.06, 0.14
HSL	175°, 68%, 56%
HSV	175°, 70%, 86%
XYZ	38.9302, 56.6813, 67.1270
YIQ	172.6570, -86.6940, -36.7900

Conversions

Conversions Part 2

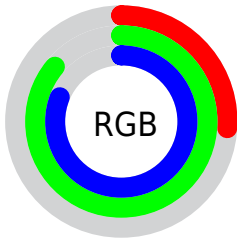
Format	Color
RYB	67, 147, 220
Decimal	4447438
CIELab	80.00, -42.47, -4.70
CIElCh	80, 42.729, 186.318
Yxy	56.6813, 0.2392, 0.3483
Android (android.graphics.Color)	4282637518 (0xFF43DCCE)
YUV	172.6570, 16.4381, -92.6612
Hunter-Lab	75.2870, -39.4516, -0.1630

Details

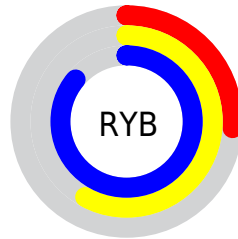
The CIELCh color **80, 42.729, 186.318** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **52, 65.672, 24.125**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.363, 197.247**, and **61, 38.403, 185.888** is the 20% darker color. If you saturate the color by 10%, you get **80, 45.611, 185.382**, and if you desaturate by 10%, it is **81, 38.877, 187.191**.

Distribution



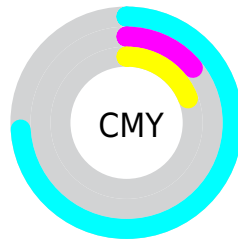
- Red (26%)
- Green (86%)
- Blue (81%)



- Red (26%)
- Yellow (58%)
- Blue (86%)



- Cyan (70%)
- Magenta (0%)
- Yellow (6%)
- Black (14%)





- Cyan (74%)
- Magenta (14%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 42.729, 186.318 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, 42.729, 186.318 by changing the saturation by 10% instead.


 80, 42.729,
186.318


 80, 42.729,
186.318


 100, 42.729,
186.318


 70, 42.729,
186.318

 60, 42.729,
186.318

 50, 42.729,
186.318

 40, 42.729,
186.318

 30, 42.729,
186.318

 20, 42.729,
186.318

 10, 42.729,

186.318

■ 0, 42.729, 186.318

■ 80, 42.729,
186.318

■ 80, 42.729,
186.318

■ 80, 45.611,
185.382

■ 81, 38.877,
187.191

■ 79, 47.558,
184.370

■ 81, 34.087,
188.023

■ 79, 48.750,
183.281

■ 82, 28.441,
188.826

■ 79, 48.786,
183.244

■ 83, 22.052,
189.613

■ 85, 15.049,
190.394

■ 86, 7.567, 191.193

■ 88, 0.270, 9.736

■ 90, 8.350, 12.551

■ 91, 13.076, 11.063

Harmonies

Complementary

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



80, 42.729, 186.318



52, 65.672, 24.125

Rectangle

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



80, 42.729, 186.318



80, 42.729, 236.318



80, 42.729, 6.318



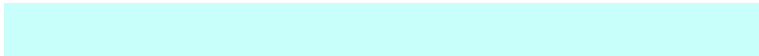
80, 42.729, 56.318

Sweetspot

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



80, 42.729, 186.317



96, 18.060, 190.276



78, 89.186, 136.605



51, 12.130, 190.059



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, 42.729, 186.317



91, 52.257, 184.883



62, 39.722, 258.968



45, 4.439, 191.213



64, 40.815, 183.434



16, 16.119, 185.509

Inverse Universe

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



52, 65.672, 24.125



55, 88.354, 30.242



62, 56.424, 57.321



43, 4.664, 12.553



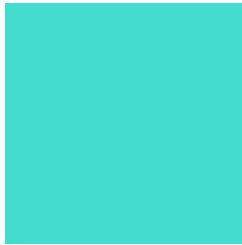
36, 74.462, 36.067



5, 23.735, 16.322

Previews

White Background



This preview shows how the CIE LCh color 80, 42.729, 186.318 looks on a white background.

Color Contrast Check

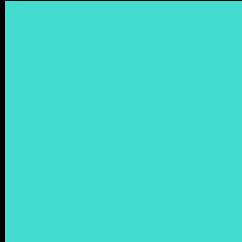
Large Text (above 18pt) WCAG AA × Fail

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 80, 42.729, 186.318 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

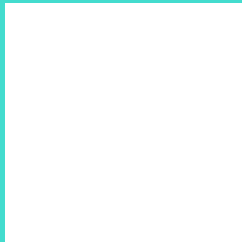
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 42.729, 186.318

Background



This preview shows how black text looks on a background with the CIELCh color 80, 42.729, 186.318.

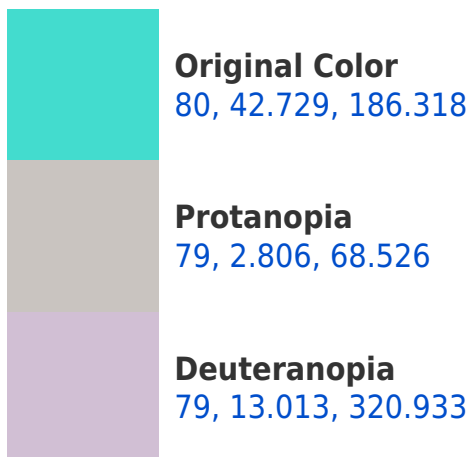


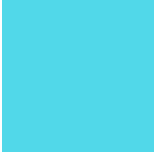
This preview shows how white text looks on a background with the CIELCh color 80, 42.729, 186.318.

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
80, 36.550, 211.595

Trichromacy



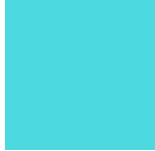
Original Color
80, 42.729, 186.318



Protanomaly
79, 18.868, 184.855



Deuteranomaly
78, 15.434, 216.701

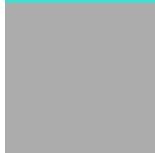


Tritanomaly
80, 37.888, 201.754

Monochromacy



Original Color
80, 42.729, 186.318



Achromatopsia
70, 0.009, 296.813



Achromatomaly
73, 19.185, 189.724

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 42.729, 186.318 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(67, 220, 206)` looks like.

```
.text, #text, p{  
    color:rgb(67, 220, 206)  
}
```

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(67, 220, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 220, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 42.729, 186.318 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(67, 220, 206) }
```

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

```
.border{ border-color:rgb(67, 220, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 220, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 220, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 220, 206);  
box-shadow:4px 4px 4px 4px rgb(67, 220,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 42.729, 186.318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 220, 206) }
```

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

```
.background{ background-color: rgb(67, 220,  
206) }
```

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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