

Converting Colors

CIELCh(81, 43.797, 178.867)

Have a look what the booklet for
CIELCh(81, 43.797, 178.867)
contains.

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Color

CIELCh(81, 43.974, 178.701)

Conversions

Conversions Part 1

Format	Color
Hex	50DFC6
RGB	80, 223, 198
RGB Percent	31%, 87%, 78%
CMY	0.6869, 0.1260, 0.2240
CMYK	0.64, 0.00, 0.11, 0.13
HSL	170°, 69%, 59%
HSV	170°, 64%, 87%
XYZ	39.8230, 58.4711, 62.5334
YIQ	177.3930, -77.2030, -38.0910

Conversions

Conversions Part 2

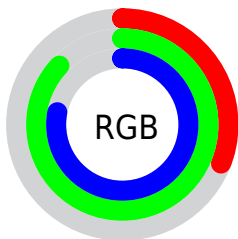
Format	Color
RYB	80, 158, 223
Decimal	5300166
CIELab	81.00, -43.96, 1.00
CIELCh	81, 43.974, 178.701
Yxy	58.4711, 0.2476, 0.3636
Android (android.graphics.Color)	4283490246 (0xFF50DFC6)
YUV	177.3930, 10.1593, -85.4137
Hunter-Lab	76.4664, -40.8551, 5.0398

Details

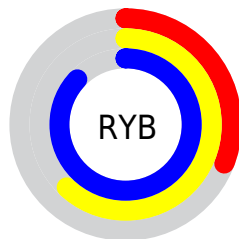
The CIELCh color **81, 43.974, 178.701** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **54, 59.719, 15.994**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.320, 197.370**, and **61, 41.849, 177.767** is the 20% darker color. If you saturate the color by 10%, you get **80, 48.074, 177.364**, and if you desaturate by 10%, it is **82, 38.942, 179.914**.

Distribution



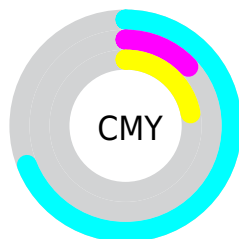
- Red (31%)
- Green (87%)
- Blue (78%)



- Red (31%)
- Yellow (62%)
- Blue (87%)



- Cyan (64%)
- Magenta (0%)
- Yellow (11%)
- Black (13%)





- Cyan (69%)
- Magenta (13%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 43.974, 178.701 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 81, 43.974, 178.701 by changing the saturation by 10% instead.


 81, 43.974,
178.701


 81, 43.974,
178.701


 100, 43.974,
178.701


 71, 43.974,
178.701

 61, 43.974,
178.701

 51, 43.974,
178.701

 41, 43.974,
178.701

 31, 43.974,
178.701

 21, 43.974,
178.701

 11, 43.974,

178.701

■ 1, 43.974, 178.701

■ 0, 43.974, 178.701

■ 81, 43.974,
178.701

■ 81, 43.974,
178.701

■ 80, 48.074,
177.364

■ 82, 38.942,
179.914

■ 80, 51.226,
175.886

■ 83, 33.054,
181.031

■ 80, 53.493,
174.249

■ 84, 26.422,
182.071

■ 80, 54.536,
173.251

■ 85, 19.181,
183.053


■ 86, 11.472,

183.997

 88, 3.426, 184.997

 90, 4.838, 5.568

 92, 12.100, 5.045

 92, 12.719,
356.254

Harmonies

Complementary

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



81, 43.974, 178.701



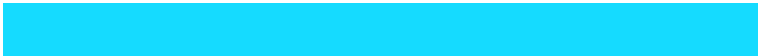
54, 59.719, 15.994

Rectangle

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



81, 43.974, 178.701



81, 43.974, 228.701



81, 43.974, 358.701



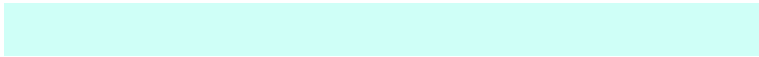
81, 43.974, 48.701

Sweetspot

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



81, 43.974, 178.700



97, 16.996, 183.531



80, 82.849, 135.345



51, 11.628, 183.258



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 43.974, 178.700



91, 54.528, 176.878



69, 34.655, 244.452



46, 4.655, 184.444



64, 45.552, 173.546



17, 18.066, 176.704

Inverse Universe

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



54, 59.719, 15.994



57, 78.641, 20.974



62, 53.090, 50.271



44, 4.846, 5.997



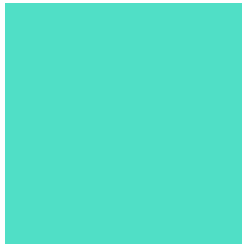
37, 71.399, 31.080



6, 25.285, 13.546

Previews

White Background



This preview shows how the CIE LCh color 81, 43.974, 178.701 looks on a white background.

Color Contrast Check

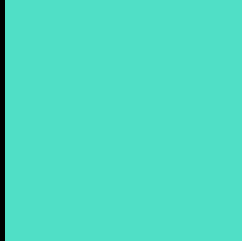
Large Text (above 18pt) WCAG AA × Fail

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 81, 43.974, 178.701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

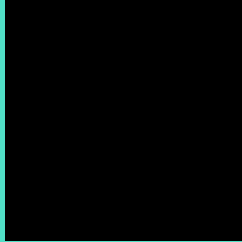
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

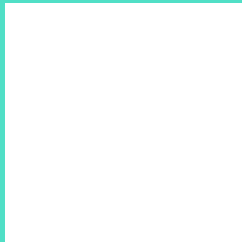
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 43.974, 178.701

Background



This preview shows how black text looks on a background with the CIELCh color 81, 43.974, 178.701.

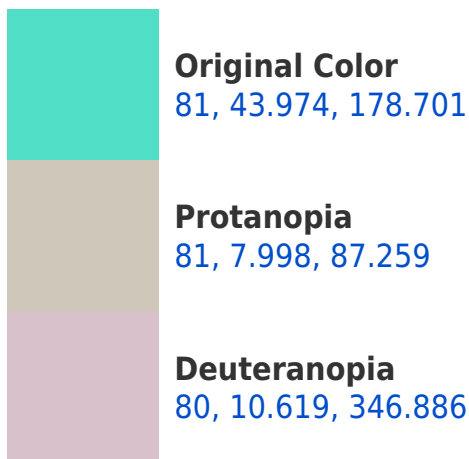


This preview shows how white text looks on a background with the CIELCh color 81, 43.974, 178.701.

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



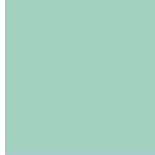


Tritanopia
81, 34.354, 213.614

Trichromacy



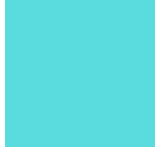
Original Color
81, 43.974, 178.701



Protanomaly
80, 19.407, 168.347



Deuteranomaly
79, 12.981, 193.739

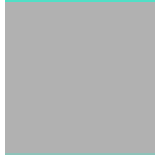


Tritanomaly
81, 36.381, 198.632

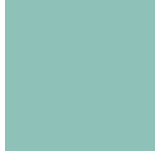
Monochromacy



Original Color
81, 43.974, 178.701



Achromatopsia
72, 0.009, 296.813



Achromatomaly
75, 18.876, 182.959

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 43.974, 178.701 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, 223, 198)` looks like.

```
.text, #text, p{  
    color:rgb(80, 223, 198)  
}
```

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, 223, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 223, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 43.974, 178.701 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, 223, 198) }
```

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

```
.border{ border-color:rgb(80, 223, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 223, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 223, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 223, 198);  
box-shadow:4px 4px 4px 4px rgb(80, 223,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 43.974, 178.701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 223, 198) }
```

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

```
.background{ background-color: rgb(80, 223,  
198) }
```

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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