

Converting Colors

CIELCh(81, 56.681, 171.194)

Have a look what the booklet for
CIELCh(81, 56.681, 171.194)
contains.

CIELCh(81, 56.654, 171.200)	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(81, 56.654, 171.200)

Conversions

Conversions Part 1

Format	Color
Hex	02E3B7
RGB	2, 227, 183
RGB Percent	1%, 89%, 72%
CMY	0.9920, 0.1091, 0.2817
CMYK	0.99, 0.00, 0.19, 0.11
HSL	168°, 98%, 45%
HSV	168°, 99%, 89%
XYZ	36.1055, 58.4711, 54.2709
YIQ	154.7090, -119.9760, -61.3840

Conversions

Conversions Part 2

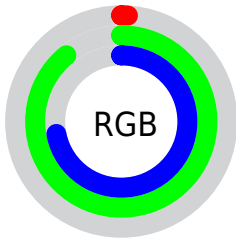
Format	Color
RYB	2, 127, 227
Decimal	189367
CIELab	81.00, -55.99, 8.67
CIELCh	81, 56.654, 171.200
Yxy	58.4711, 0.2426, 0.3928
Android (android.graphics.Color)	4278379447 (0xFF02E3B7)
YUV	154.7090, 13.9475, -133.9258
Hunter-Lab	76.4664, -49.5331, 11.4463

Details

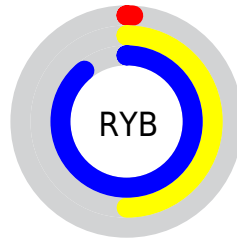
The CIELCh color **81, 56.654, 171.200** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **48, 85.488, 30.129**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 42.875, 185.528**, and **62, 47.916, 167.554** is the 20% darker color. If you saturate the color by 10%, you get **81, 56.835, 171.037**, and if you desaturate by 10%, it is **81, 54.507, 173.007**.

Distribution



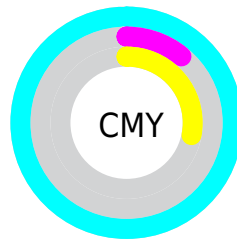
- Red (1%)
- Green (89%)
- Blue (72%)



- Red (1%)
- Yellow (50%)
- Blue (89%)



- Cyan (99%)
- Magenta (0%)
- Yellow (19%)
- Black (11%)





- Cyan (99%)
- Magenta (11%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 56.654, 171.200 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, 56.654, 171.200 by changing the saturation by 10% instead.


 81, 56.654,
171.200


 81, 56.654,
171.200


 100, 56.654,
171.200


 71, 56.654,
171.200

 61, 56.654,
171.200

 51, 56.654,
171.200

 41, 56.654,
171.200

 31, 56.654,
171.200

 21, 56.654,
171.200

 11, 56.654,

171.200

■ 1, 56.654, 171.200

■ 0, 56.654, 171.200

■ 81, 56.654,
171.200

■ 81, 56.654,
171.200

■ 81, 56.835,
171.037

■ 81, 54.507,
173.007

■ 82, 51.578,
174.664

■ 82, 47.712,
176.156

■ 83, 42.891,
177.503

■ 84, 37.167,

178.728

■ 85, 30.641,
179.854

■ 86, 23.444,
180.902

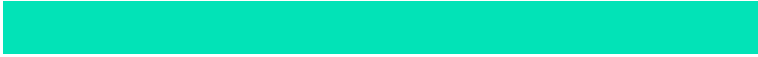
■ 87, 15.719,
181.893

■ 89, 7.606, 182.859

Harmonies

Complementary

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



81, 56.654, 171.200



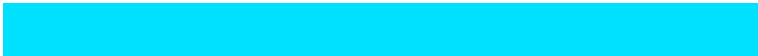
48, 85.488, 30.129

Rectangle

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



81, 56.654, 171.200



81, 56.654, 221.200



81, 56.654, 351.200



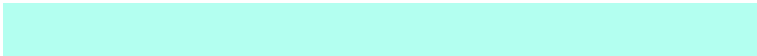
81, 56.654, 41.200

Sweetspot

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



81, 56.654, 171.199



95, 26.472, 180.791



79, 107.668, 134.748



50, 17.859, 180.351



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, 56.654, 171.199



90, 62.122, 170.909



62, 44.931, 256.417



47, 4.785, 182.823



65, 47.271, 171.353



18, 19.100, 174.546

Inverse Universe

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



48, 85.488, 30.129



53, 94.194, 30.946



53, 86.442, 47.064



45, 4.970, 4.414



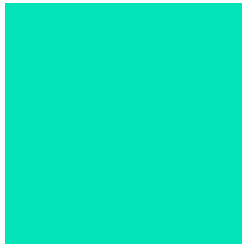
37, 71.225, 29.641



7, 26.671, 13.604

Previews

White Background



This preview shows how the CIE LCh color 81, 56.654, 171.200 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 81, 56.654, 171.200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

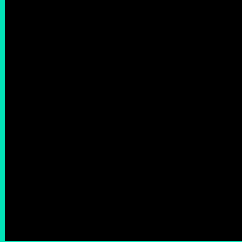
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

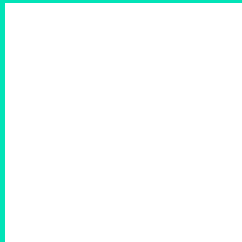
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 56.654, 171.200

Background



This preview shows how black text looks on a background with the CIELCh color 81, 56.654, 171.200.

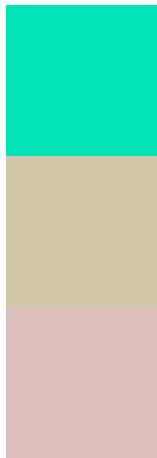


This preview shows how white text looks on a background with the CIELCh color 81, 56.654, 171.200.

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](#).

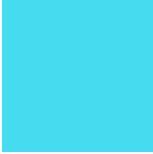
Dichromacy



Original Color
81, 56.628, 171.191

Protanopia
80, 16.446, 93.604

Deuteranopia
80, 11.033, 25.702



Tritanopia
81, 39.016, 211.320

Trichromacy



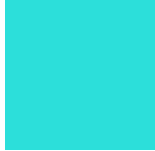
Original Color
81, 56.628, 171.191



Protanomaly
78, 32.526, 161.973

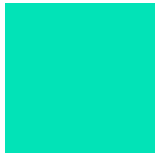


Deuteranomaly
78, 23.803, 175.079

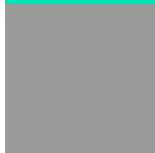


Tritanomaly
81, 44.039, 192.940

Monochromacy



Original Color
81, 56.628, 171.191



Achromatopsia
64, 0.008, 296.813



Achromatomaly
68, 28.972, 179.272

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 56.654, 171.200 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(2, 227, 183)` looks like.

```
.text, #text, p{  
    color:rgb(2, 227, 183)  
}
```

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(2, 227, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 227, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 56.654, 171.200 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(2, 227, 183) }
```

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

```
.border{ border-color:rgb(2, 227, 183) }
```

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

Here you see how a box with a 4 pixel rgb(2, 227, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 227, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 227, 183);  
box-shadow:4px 4px 4px 4px rgb(2, 227,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 56.654, 171.200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 227, 183) }
```

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

```
.background{ background-color: rgb(2, 227,  
183) }
```

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