

Converting Colors

CIELCh(81, 56.552, 168.754)

Have a look what the booklet for
CIELCh(81, 56.552, 168.754)
contains.

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Color

CIELCh(81, 56.531, 168.816)

Conversions

Conversions Part 1

Format	Color
Hex	24E3B3
RGB	36, 227, 179
RGB Percent	14%, 89%, 70%
CMY	0.8602, 0.1104, 0.2986
CMYK	0.84, 0.00, 0.21, 0.11
HSL	165°, 77%, 51%
HSV	165°, 84%, 89%
XYZ	36.2641, 58.4711, 51.9460
YIQ	164.4190, -98.4280, -55.4200

Conversions

Conversions Part 2

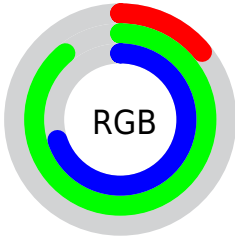
Format	Color
RYB	36, 145, 227
Decimal	2417587
CIELab	81.00, -55.46, 10.96
CIELCh	81, 56.531, 168.816
Yxy	58.4711, 0.2472, 0.3986
Android (android.graphics.Color)	4280607667 (0xFF24E3B3)
YUV	164.4190, 7.1884, -112.6235
Hunter-Lab	76.4664, -49.1627, 13.2489

Details

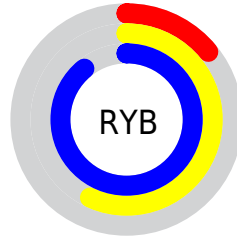
The CIELCh color **81, 56.531, 168.816** is a light color, and the websafe version is hex **00CC99**. The color can be described as light washed spring green. A complement of this color would be **50, 74.721, 17.881**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 42.183, 182.492**, and **62, 49.374, 165.434** is the 20% darker color. If you saturate the color by 10%, you get **81, 59.552, 166.857**, and if you desaturate by 10%, it is **81, 52.633, 170.582**.

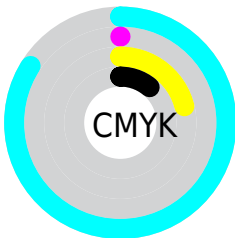
Distribution



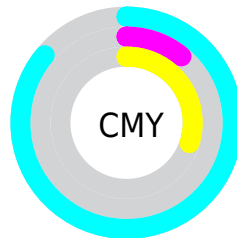
- Red (14%)
- Green (89%)
- Blue (70%)



- Red (14%)
- Yellow (57%)
- Blue (89%)



- Cyan (84%)
- Magenta (0%)
- Yellow (21%)
- Black (11%)





- Cyan (86%)
- Magenta (11%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 56.531, 168.816 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, 56.531, 168.816 by changing the saturation by 10% instead.


 81, 56.531,
168.816


 81, 56.531,
168.816


 100, 56.531,
168.816


 71, 56.531,
168.816

 61, 56.531,
168.816

 51, 56.531,
168.816

 41, 56.531,
168.816

 31, 56.531,
168.816

 21, 56.531,
168.816

 11, 56.531,

168.816

■ 1, 56.531, 168.816

■ 0, 56.531, 168.816

■ 81, 56.531,
168.816

■ 81, 56.531,
168.816

■ 81, 59.552,
166.857

■ 81, 52.633,
170.582

■ 81, 61.012,
165.691

■ 82, 47.799,
172.167

■ 83, 42.056,
173.590

■ 84, 35.490,
174.877

■ 85, 28.227,

176.052

■ 86, 20.410,
177.137

■ 88, 12.185,
178.158

■ 89, 3.686, 179.203

■ 91, 4.967, 359.836

Harmonies

Complementary

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



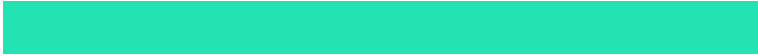
81, 56.531, 168.816



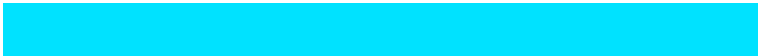
50, 74.721, 17.881

Rectangle

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



81, 56.531, 168.816



81, 56.531, 218.816



81, 56.531, 348.816



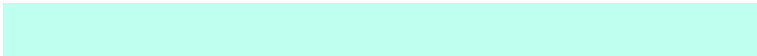
81, 56.531, 38.816

Sweetspot

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



81, 56.531, 168.815



96, 23.069, 177.045



80, 99.591, 133.080



50, 15.632, 176.667



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, 56.531, 168.815



90, 66.794, 165.545



69, 39.006, 236.862



46, 4.828, 178.644



64, 50.188, 166.066



17, 19.568, 169.900

Inverse Universe

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



50, 74.721, 17.881



54, 90.822, 26.616



54, 77.176, 44.529



44, 4.985, 0.283



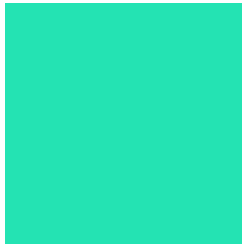
37, 68.043, 25.165



6, 25.297, 10.186

Previews

White Background



This preview shows how the CIE LCh color 81, 56.531, 168.816 looks on a white background.

Color Contrast Check

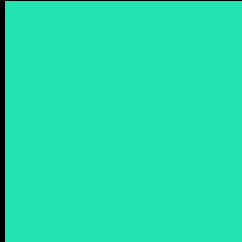
Large Text (above 18pt) WCAG AA × Fail

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, 56.531, 168.816 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

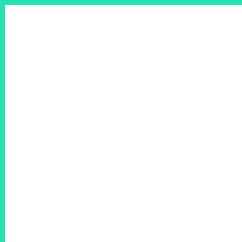
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 56.531, 168.816

Background



This preview shows how black text looks on a background with the CIELCh color 81, 56.531, 168.816.

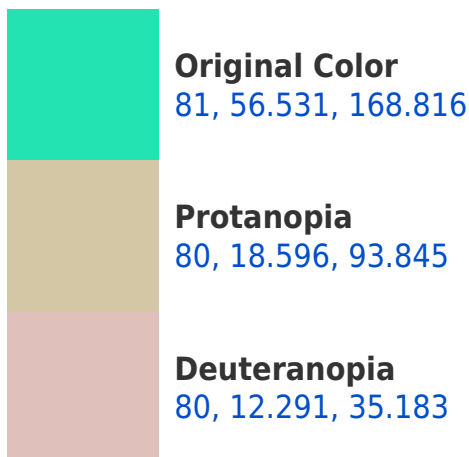


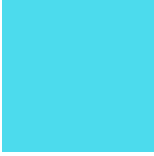
This preview shows how white text looks on a background with the CIELCh color 81, 56.531, 168.816.

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, 37.818, 211.861

Trichromacy



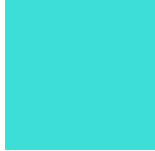
Original Color
81, 56.531, 168.816



Protanomaly
79, 30.753, 154.790



Deuteranomaly
78, 21.562, 164.756

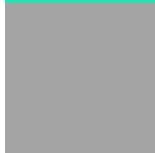


Tritanomaly
81, 42.324, 192.165

Monochromacy



Original Color
81, 56.531, 168.816



Achromatopsia
67, 0.008, 296.813



Achromatomaly
71, 26.284, 175.285

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 56.531, 168.816 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(36, 227, 179)` looks like.

```
.text, #text, p{  
    color:rgb(36, 227, 179)  
}
```

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(36, 227, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 227, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 56.531, 168.816 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(36, 227, 179) }
```

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

```
.border{ border-color:rgb(36, 227, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 227, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(36, 227, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(36, 227, 179); box-shadow:4px 4px 4px 4px rgb(36, 227, 179) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 56.531, 168.816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 227, 179) }
```

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

```
.background{ background-color: rgb(36, 227,  
179) }
```

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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