

Converting Colors

CIELCh(81, 57.543, 168.410)

Have a look what the booklet for
CIELCh(81, 57.543, 168.410)
contains.

CIELCh(81, 57.357, 168.587)	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, 57.357, 168.587)

Conversions

Conversions Part 1

Format	Color
Hex	1CE3B2
RGB	28, 227, 178
RGB Percent	11%, 89%, 70%
CMY	0.8889, 0.1093, 0.3015
CMYK	0.88, 0.00, 0.22, 0.11
HSL	165°, 78%, 50%
HSV	165°, 88%, 89%
XYZ	36.0350, 58.4711, 51.5630
YIQ	161.9130, -102.8750, -57.4270

Conversions

Conversions Part 2

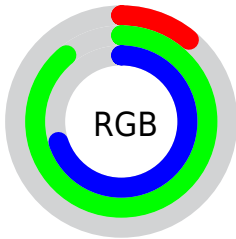
Format	Color
R_{YB}	28, 141, 227
Decimal	1893298
CIE _{Lab}	81.00, -56.22, 11.35
CIE _{LCh}	81, 57.357, 168.587
Yxy	58.4711, 0.2467, 0.4003
Android (android.graphics.Color)	4280083378 (0xFF1CE3B2)
YUV	161.9130, 7.9309, -117.4417
Hunter-Lab	76.4664, -49.6976, 13.5459

Details

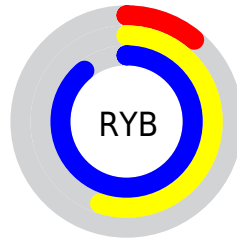
The CIELCh color **81, 57.357, 168.587** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **49, 76.790, 19.858**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 42.992, 181.998**, and **62, 49.745, 164.923** is the 20% darker color. If you saturate the color by 10%, you get **81, 60.094, 166.589**, and if you desaturate by 10%, it is **81, 53.795, 170.402**.

Distribution



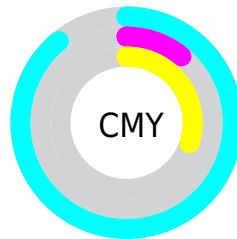
- Red (11%)
- Green (89%)
- Blue (70%)



- Red (11%)
- Yellow (55%)
- Blue (89%)



- Cyan (88%)
- Magenta (0%)
- Yellow (22%)
- Black (11%)





- Cyan (89%)
- Magenta (11%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 57.357, 168.587 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, 57.357, 168.587 by changing the saturation by 10% instead.


 81, 57.357,
168.587


 81, 57.357,
168.587


 100, 57.357,
168.587


 71, 57.357,
168.587

 61, 57.357,
168.587

 51, 57.357,
168.587

 41, 57.357,
168.587

 31, 57.357,
168.587

 21, 57.357,
168.587

 11, 57.357,

168.587

■ 1, 57.357, 168.587

■ 0, 57.357, 168.587

■ 81, 57.357,
168.587

■ 81, 57.357,
168.587

■ 81, 60.094,
166.589

■ 81, 53.795,
170.402

■ 81, 60.715,
166.093

■ 82, 49.304,
172.033

■ 83, 43.884,
173.496

■ 84, 37.605,
174.816

■ 85, 30.581,

176.019

■ 86, 22.951,
177.127

■ 87, 14.863,
178.162

■ 89, 6.454, 179.168

■ 91, 2.149, 359.734

Harmonies

Complementary

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



81, 57.357, 168.587



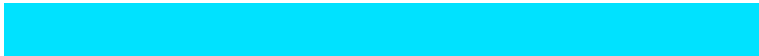
49, 76.790, 19.858

Rectangle

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



81, 57.357, 168.587



81, 57.357, 218.587



81, 57.357, 348.587



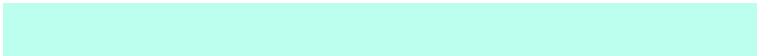
81, 57.357, 38.587

Sweetspot

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



81, 57.357, 168.586



95, 23.880, 177.271



80, 102.010, 133.491



50, 16.075, 176.897



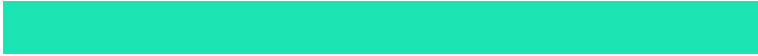
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 57.357, 168.586



90, 66.405, 165.950



68, 40.038, 241.347



47, 4.906, 178.969



65, 50.455, 166.444



18, 20.169, 170.038

Inverse Universe

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



49, 76.790, 19.858



54, 91.077, 26.985



54, 79.695, 45.487



45, 5.069, 0.611



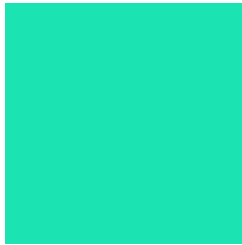
37, 68.984, 25.605



7, 26.641, 11.290

Previews

White Background



This preview shows how the CIE LCh color 81, 57.357, 168.587 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, 57.357, 168.587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

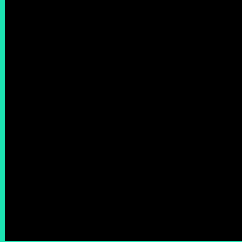
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

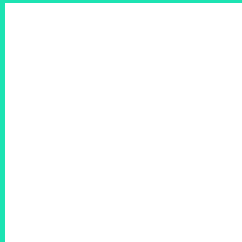
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 57.357, 168.587

Background



This preview shows how black text looks on a background with the CIELCh color 81, 57.357, 168.587.

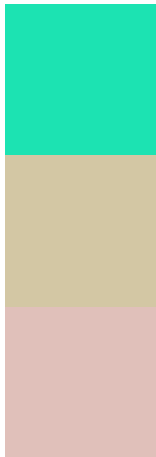


This preview shows how white text looks on a background with the CIELCh color 81, 57.357, 168.587.

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](#).

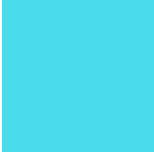
Dichromacy



Original Color
81, 57.357, 168.587

Protanopia
80, 19.108, 94.175

Deuteranopia
80, 12.670, 34.753

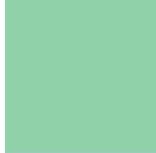


Tritanopia
81, 38.085, 211.739

Trichromacy



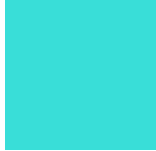
Original Color
81, 57.357, 168.587



Protanomaly
79, 31.630, 154.865

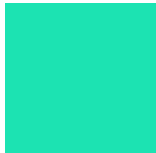


Deuteranomaly
78, 22.122, 165.633

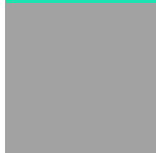


Tritanomaly
81, 42.781, 192.181

Monochromacy



Original Color
81, 57.357, 168.587



Achromatopsia
67, 0.008, 296.813



Achromatomaly
70, 27.106, 175.875

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 57.357, 168.587 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(28, 227, 178)` looks like.

```
.text, #text, p{  
    color:rgb(28, 227, 178)  
}
```

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(28, 227, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 227, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 57.357, 168.587 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(28, 227, 178) }
```

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

```
.border{ border-color:rgb(28, 227, 178) }
```

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

Here you see how a box with a 4 pixel rgb(28, 227, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 227, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 227, 178);  
box-shadow:4px 4px 4px 4px rgb(28, 227,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 57.357, 168.587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 227, 178) }
```

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

```
.background{ background-color: rgb(28, 227,  
178) }
```

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