

Converting Colors

CIELCh(81, 54.419, 163.860)

Have a look what the booklet for
CIELCh(81, 54.419, 163.860)
contains.

CIELCh(81, 54.273, 163.947)	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, 54.273, 163.947)

Conversions

Conversions Part 1

Format	Color
Hex	4AE1AB
RGB	74, 225, 171
RGB Percent	29%, 88%, 67%
CMY	0.7080, 0.1162, 0.3281
CMYK	0.67, 0.00, 0.24, 0.12
HSL	159°, 72%, 59%
HSV	159°, 67%, 88%
XYZ	37.2634, 58.4711, 48.0176
YIQ	173.6950, -72.6620, -48.8060

Conversions

Conversions Part 2

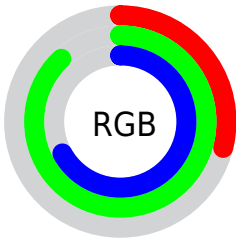
Format	Color
RYB	74, 166, 225
Decimal	4907435
CIELab	81.00, -52.16, 15.01
CIELCh	81, 54.273, 163.947
Yxy	58.4711, 0.2592, 0.4067
Android (android.graphics.Color)	4283097515 (0xFF4AE1AB)
YUV	173.6950, -1.3286, -87.4325
Hunter-Lab	76.4664, -46.8301, 16.2949

Details

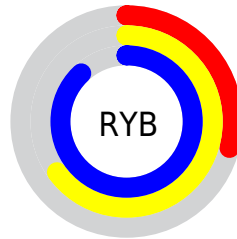
The CIELCh color **81, 54.273, 163.947** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **55, 62.475, 2.531**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 39.871, 174.769**, and **61, 51.509, 162.342** is the 20% darker color. If you saturate the color by 10%, you get **80, 59.868, 162.138**, and if you desaturate by 10%, it is **82, 47.797, 165.557**.

Distribution



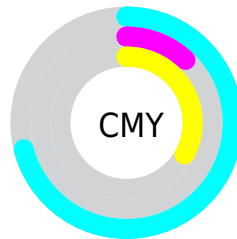
- Red (29%)
- Green (88%)
- Blue (67%)



- Red (29%)
- Yellow (65%)
- Blue (88%)



- Cyan (67%)
- Magenta (0%)
- Yellow (24%)
- Black (12%)





- Cyan (71%)
- Magenta (12%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 54.273, 163.947 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, 54.273, 163.947 by changing the saturation by 10% instead.


 81, 54.273,
163.947


 81, 54.273,
163.947


 100, 54.273,
163.947


 71, 54.273,
163.947

 61, 54.273,
163.947

 51, 54.273,
163.947

 41, 54.273,
163.947

 31, 54.273,
163.947

 21, 54.273,
163.947

 11, 54.273,

163.947

■ 1, 54.273, 163.947

■ 0, 54.273, 163.947

■ 81, 54.273,
163.947

■ 81, 54.273,
163.947

■ 80, 59.868,
162.138

■ 82, 47.797,
165.557

■ 80, 64.557,
160.119

■ 83, 40.526,
166.992

■ 80, 68.419,
157.904

■ 84, 32.594,
168.279

■ 80, 69.511,
157.232


■ 85, 24.152,
169.441


■ 87, 15.352,

170.505

 88, 6.336, 171.517

 90, 2.776, 352.152

 92, 11.885,
353.123

 93, 14.273,
338.232

Harmonies

Complementary

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



81, 54.273, 163.947



55, 62.475, 2.531

Rectangle

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



81, 54.273, 163.947



81, 54.273, 213.947



81, 54.273, 343.947



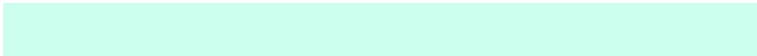
81, 54.273, 33.947

Sweetspot

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



81, 54.274, 163.946



96, 19.953, 170.176



81, 82.178, 130.586



51, 13.574, 169.876



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, 54.274, 163.946



90, 67.685, 161.439



77, 35.571, 215.044



46, 5.144, 171.264



64, 57.365, 157.637



17, 21.931, 161.959

Inverse Universe

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



55, 62.475, 2.531



57, 78.017, 7.129



57, 62.011, 36.692



44, 5.260, 352.895



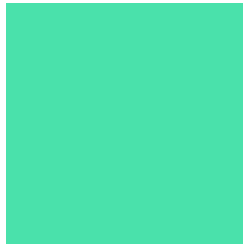
37, 64.822, 15.499



6, 25.510, 4.382

Previews

White Background



This preview shows how the CIELCh color 81, 54.273, 163.947 looks on a white background.

Color Contrast Check

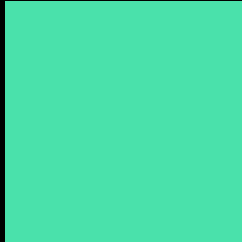
Large Text (above 18pt) WCAG AA × Fail

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, 54.273, 163.947 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

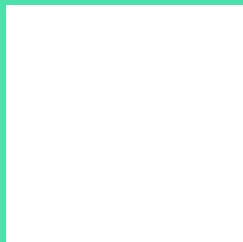
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 54.273, 163.947

Background



This preview shows how black text looks on a background with the CIELCh color 81, 54.273, 163.947.

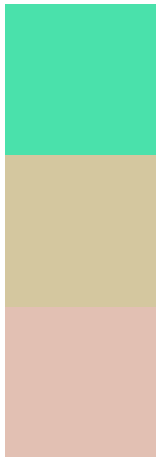


This preview shows how white text looks on a background with the CIELCh color 81, 54.273, 163.947.

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, 54.273, 163.947

Protanopia
80, 21.769, 94.529

Deuteranopia
80, 14.948, 47.566

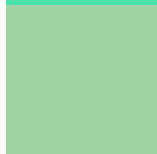


Tritanopia
81, 33.648, 214.009

Trichromacy



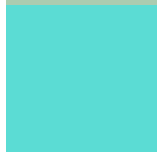
Original Color
81, 54.273, 163.947



Protanomaly
80, 30.151, 143.535



Deuteranomaly
79, 19.382, 147.836



Tritanomaly
81, 37.770, 190.275

Monochromacy



Original Color
81, 54.273, 163.947



Achromatopsia
71, 0.009, 296.813



Achromatomaly
74, 22.561, 168.939

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 54.273, 163.947 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(74, 225, 171)` looks like.

```
.text, #text, p{  
    color:rgb(74, 225, 171)  
}
```

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(74, 225, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 225, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 54.273, 163.947 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(74, 225, 171) }
```

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

```
.border{ border-color:rgb(74, 225, 171) }
```

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

Here you see how a box with a 4 pixel rgb(74, 225, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 225, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 225, 171);  
box-shadow:4px 4px 4px 4px rgb(74, 225,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 54.273, 163.947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 225, 171) }
```

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

```
.background{ background-color: rgb(74, 225,  
171) }
```

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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