

Converting Colors

CIELCh(81, 53.664, 166.819)

Have a look what the booklet for
CIELCh(81, 53.664, 166.819)
contains.

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Color

CIELCh(81, 53.786, 166.888)

Conversions

Conversions Part 1

Format	Color
Hex	41E2B1
RGB	65, 226, 177
RGB Percent	25%, 89%, 69%
CMY	0.7433, 0.1153, 0.3074
CMYK	0.71, 0.00, 0.22, 0.12
HSL	162°, 73%, 57%
HSV	162°, 71%, 88%
XYZ	37.1941, 58.4711, 50.7223
YIQ	172.2750, -80.2270, -49.3710

Conversions

Conversions Part 2

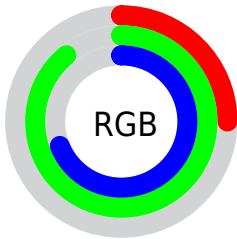
Format	Color
RYB	65, 160, 226
Decimal	4317873
CIELab	81.00, -52.38, 12.20
CIELCh	81, 53.786, 166.888
Yxy	58.4711, 0.2541, 0.3994
Android (android.graphics.Color)	4282507953 (0xFF41E2B1)
YUV	172.2750, 2.3294, -94.0802
Hunter-Lab	76.4664, -46.9919, 14.1977

Details

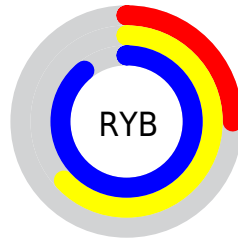
The CIELCh color **81, 53.786, 166.888** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **53, 65.151, 7.907**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 39.482, 180.117**, and **62, 50.118, 164.418** is the 20% darker color. If you saturate the color by 10%, you get **81, 58.507, 165.064**, and if you desaturate by 10%, it is **82, 48.153, 168.516**.

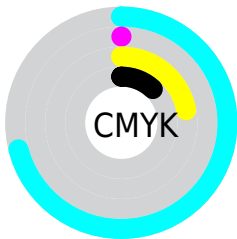
Distribution



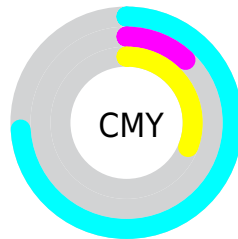
- Red (25%)
- Green (89%)
- Blue (69%)



- Red (25%)
- Yellow (63%)
- Blue (89%)



- Cyan (71%)
- Magenta (0%)
- Yellow (22%)
- Black (12%)





- Cyan (74%)
- Magenta (12%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 53.786, 166.888 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, 53.786, 166.888 by changing the saturation by 10% instead.


 81, 53.786,
166.888

 81, 53.786,
166.888


 100, 53.786,
166.888

 71, 53.786,
166.888

 61, 53.786,
166.888

 51, 53.786,
166.888

 41, 53.786,
166.888

 31, 53.786,
166.888

 21, 53.786,
166.888

 11, 53.786,

166.888

■ 1, 53.786, 166.888

■ 0, 53.786, 166.888

■ 81, 53.786,
166.888

■ 81, 53.786,
166.888

■ 81, 58.507,
165.064

■ 82, 48.153,
168.516

■ 80, 62.336,
163.038

■ 83, 41.663,
169.974

■ 80, 65.188,
161.087

■ 84, 34.426,
171.284

■ 85, 26.583,
172.473


■ 86, 18.281,

173.565

 88, 9.666, 174.590

 90, 0.868, 176.066

 91, 8.004, 356.275

 92, 12.531,
347.650

Harmonies

Complementary

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



81, 53.786, 166.888



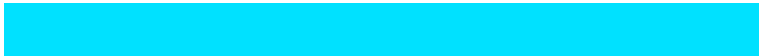
53, 65.151, 7.907

Rectangle

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



81, 53.786, 166.888



81, 53.786, 216.888



81, 53.786, 346.888



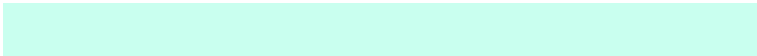
81, 53.786, 36.888

Sweetspot

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



81, 53.786, 166.887



96, 20.199, 173.549



81, 87.352, 131.894



51, 13.621, 173.253



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, 53.786, 166.887



90, 66.228, 164.159



74, 35.873, 223.912



46, 4.980, 174.747



64, 53.797, 161.480



17, 20.750, 165.617

Inverse Universe

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



53, 65.151, 7.907



56, 81.194, 13.801



57, 64.663, 40.413



44, 5.115, 356.397



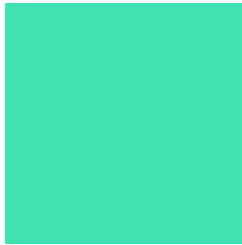
37, 66.127, 20.360



6, 25.370, 7.382

Previews

White Background



This preview shows how the CIE LCh color 81, 53.786, 166.888 looks on a white background.

Color Contrast Check

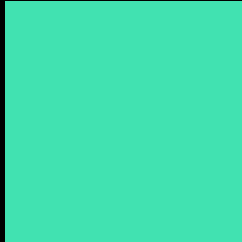
Large Text (above 18pt) WCAG AA × Fail

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, 53.786, 166.888 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

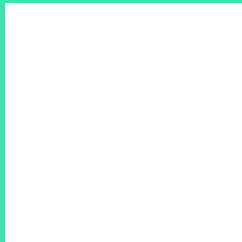
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 53.786, 166.888

Background



This preview shows how black text looks on a background with the CIELCh color 81, 53.786, 166.888.

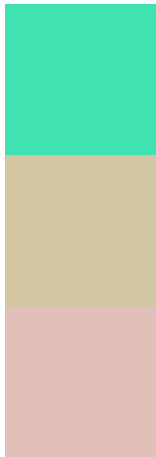


This preview shows how white text looks on a background with the CIELCh color 81, 53.786, 166.888.

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, 53.912, 166.951

Protanopia
80, 19.621, 94.486

Deuteranopia
80, 13.030, 39.168



Tritanopia
81, 35.037, 212.311

Trichromacy



Original Color
81, 53.912, 166.951



Protanomaly
79, 28.913, 148.628



Deuteranomaly
79, 18.639, 156.907

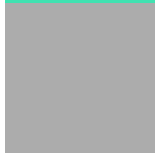


Tritanomaly
81, 39.192, 191.221

Monochromacy



Original Color
81, 53.912, 166.951



Achromatopsia
70, 0.009, 296.813



Achromatomaly
73, 22.588, 173.469

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 53.786, 166.888 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(65, 226, 177)` looks like.

```
.text, #text, p{  
    color:rgb(65, 226, 177)  
}
```

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(65, 226, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 226, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 53.786, 166.888 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(65, 226, 177) }
```

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

```
.border{ border-color:rgb(65, 226, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 226, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 226, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 226, 177);  
box-shadow:4px 4px 4px 4px rgb(65, 226,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 53.786, 166.888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 226, 177) }
```

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

```
.background{ background-color: rgb(65, 226,  
177) }
```

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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