

Converting Colors

CIELCh(81, 48.874, 173.535)

Have a look what the booklet for
CIELCh(81, 48.874, 173.535)
contains.

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Color

CIELCh(81, 48.730, 173.563)

Conversions

Conversions Part 1

Format	Color
Hex	45E0BD
RGB	69, 224, 189
RGB Percent	27%, 88%, 74%
CMY	0.7312, 0.1200, 0.2573
CMYK	0.69, 0.00, 0.16, 0.12
HSL	167°, 72%, 57%
HSV	167°, 69%, 88%
XYZ	38.4157, 58.4711, 57.6276
YIQ	173.6650, -81.1450, -43.7450

Conversions

Conversions Part 2

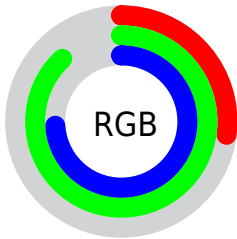
Format	Color
R_{YB}	69, 156, 224
Decimal	4579517
CIE _{Lab}	81.00, -48.42, 5.46
CIE _{LCh}	81, 48.730, 173.563
Yxy	58.4711, 0.2486, 0.3784
Android (android.graphics.Color)	4282769597 (0xFF45E0BD)
YUV	173.6650, 7.5602, -91.7912
Hunter-Lab	76.4664, -44.1402, 8.8436

Details

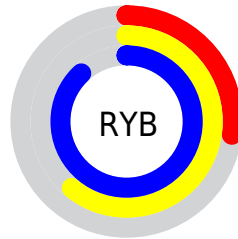
The CIELCh color **81, 48.730, 173.563** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **53, 64.071, 13.862**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.435, 188.936**, and **61, 44.861, 171.959** is the 20% darker color. If you saturate the color by 10%, you get **81, 52.798, 171.963**, and if you desaturate by 10%, it is **82, 43.730, 174.999**.

Distribution



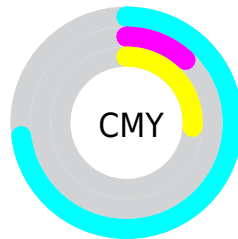
- Red (27%)
- Green (88%)
- Blue (74%)



- Red (27%)
- Yellow (61%)
- Blue (88%)



- Cyan (69%)
- Magenta (0%)
- Yellow (16%)
- Black (12%)





- Cyan (73%)
- Magenta (12%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 48.730, 173.563 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, 48.730, 173.563 by changing the saturation by 10% instead.


 81, 48.730,
173.563


 81, 48.730,
173.563


 100, 48.730,
173.563


 71, 48.730,
173.563

 61, 48.730,
173.563

 51, 48.730,
173.563

 41, 48.730,
173.563

 31, 48.730,
173.563

 21, 48.730,
173.563

 11, 48.730,

173.563

■ 1, 48.730, 173.563

■ 0, 48.730, 173.563

■ 81, 48.730,
173.563

■ 81, 48.730,
173.563

■ 81, 52.798,
171.963

■ 82, 43.730,
174.999

■ 80, 55.948,
170.186

■ 82, 37.850,
176.299

■ 80, 58.348,
168.253

■ 84, 31.193,
177.485

■ 80, 58.473,
168.148

■ 85, 23.892,
178.581


■ 86, 16.091,

179.608

 88, 7.928, 180.597

 89, 0.470, 0.266

 91, 8.994, 2.234

 92, 12.254,
354.444

Harmonies

Complementary

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



81, 48.730, 173.563



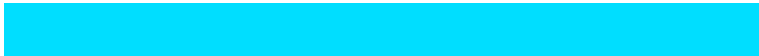
53, 64.071, 13.862

Rectangle

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



81, 48.730, 173.563



81, 48.730, 223.563



81, 48.730, 353.563



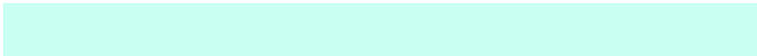
81, 48.730, 43.563

Sweetspot

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



81, 48.730, 173.562



96, 19.213, 179.437



80, 87.533, 133.967



51, 12.938, 179.155



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, 48.730, 173.562



90, 59.704, 171.250



70, 35.646, 237.853



46, 4.763, 180.598



64, 48.528, 168.493



17, 19.029, 172.132

Inverse Universe

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



53, 64.071, 13.862



56, 81.874, 19.709



59, 60.034, 46.175



44, 4.932, 2.217



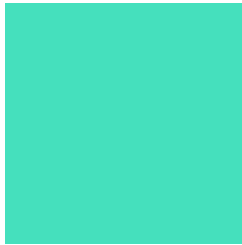
37, 69.129, 27.322



6, 25.284, 11.404

Previews

White Background



This preview shows how the CIE LCh color 81, 48.730, 173.563 looks on a white background.

Color Contrast Check

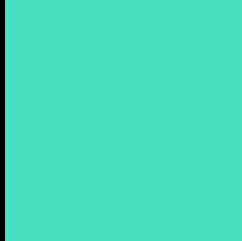
Large Text (above 18pt) WCAG AA × Fail

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, 48.730, 173.563 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

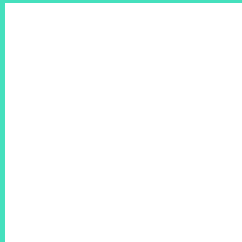
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 48.730, 173.563

Background



This preview shows how black text looks on a background with the CIELCh color 81, 48.730, 173.563.

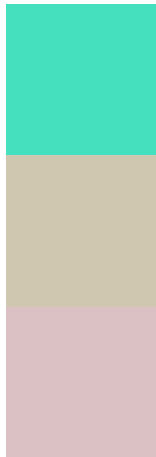


This preview shows how white text looks on a background with the CIELCh color 81, 48.730, 173.563.

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, 48.595, 173.508

Protanopia

80, 12.657, 93.184

Deuteranopia

80, 10.237, 11.269

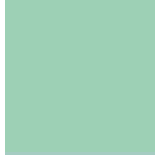


Tritanopia
81, 35.391, 213.053

Trichromacy



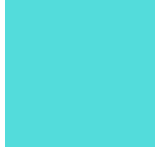
Original Color
81, 48.595, 173.508



Protanomaly
79, 23.486, 159.947



Deuteranomaly
79, 14.916, 177.287

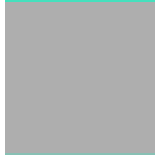


Tritanomaly
81, 38.113, 196.005

Monochromacy



Original Color
81, 48.595, 173.508



Achromatopsia
71, 0.009, 296.813



Achromatomaly
74, 20.738, 179.447

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 48.730, 173.563 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(69, 224, 189)` looks like.

```
.text, #text, p{  
    color:rgb(69, 224, 189)  
}
```

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(69, 224, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 224, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 48.730, 173.563 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(69, 224, 189) }
```

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

```
.border{ border-color:rgb(69, 224, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 224, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 224, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 224, 189);  
box-shadow:4px 4px 4px 4px rgb(69, 224,  
189) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 48.730, 173.563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 224, 189) }
```

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

```
.background{ background-color: rgb(69, 224,  
189) }
```

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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