

Converting Colors

CIELCh(81, 54.363, 167.200)

Have a look what the booklet for
CIELCh(81, 54.363, 167.200)
contains.

CIELCh(81, 54.398, 167.192)	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, 54.398, 167.192)

Conversions

Conversions Part 1

Format	Color
Hex	3DE2B1
RGB	61, 226, 177
RGB Percent	24%, 89%, 69%
CMY	0.7616, 0.1143, 0.3064
CMYK	0.73, 0.00, 0.22, 0.11
HSL	162°, 74%, 56%
HSV	162°, 73%, 89%
XYZ	36.9928, 58.4711, 50.8623
YIQ	171.0790, -82.6110, -50.2190

Conversions

Conversions Part 2

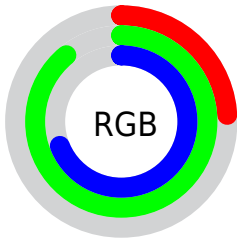
Format	Color
RYB	61, 158, 226
Decimal	4055729
CIELab	81.00, -53.04, 12.06
CIELCh	81, 54.398, 167.192
Yxy	58.4711, 0.2528, 0.3996
Android (android.graphics.Color)	4282245809 (0xFF3DE2B1)
YUV	171.0790, 2.9191, -96.5393
Hunter-Lab	76.4664, -47.4617, 14.0892

Details

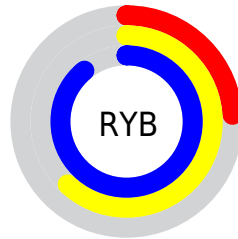
The CIELCh color **81, 54.398, 167.192** is a light color, and the websafe version is hex **33CC99**. The color can be described as light washed spring green. A complement of this color would be **52, 66.701, 9.369**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 40.140, 180.354**, and **62, 50.118, 164.418** is the 20% darker color. If you saturate the color by 10%, you get **81, 58.843, 165.342**, and if you desaturate by 10%, it is **82, 49.035, 168.845**.

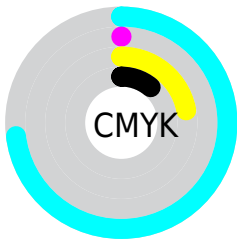
Distribution



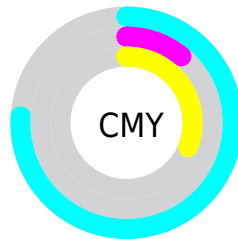
- Red (24%)
- Green (89%)
- Blue (69%)



- Red (24%)
- Yellow (62%)
- Blue (89%)



- Cyan (73%)
- Magenta (0%)
- Yellow (22%)
- Black (11%)





- Cyan (76%)
- Magenta (11%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 54.398, 167.192 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, 54.398, 167.192 by changing the saturation by 10% instead.


 81, 54.398,
167.192


 81, 54.398,
167.192


 100, 54.398,
167.192


 71, 54.398,
167.192

 61, 54.398,
167.192

 51, 54.398,
167.192

 41, 54.398,
167.192

 31, 54.398,
167.192

 21, 54.398,
167.192

 11, 54.398,

167.192

■ 1, 54.398, 167.192

■ 0, 54.398, 167.192

■ 81, 54.398,
167.192

■ 81, 54.398,
167.192

■ 81, 58.843,
165.342

■ 82, 49.035,
168.845

■ 80, 62.409,
163.292

■ 82, 42.794,
170.325

■ 80, 64.504,
161.802

■ 83, 35.774,
171.656

■ 85, 28.109,
172.862

■ 86, 19.948,

173.969

■ 88, 11.436,
175.002

■ 89, 2.708, 176.094

■ 91, 6.123, 356.700

■ 92, 11.995,
351.101

Harmonies

Complementary

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



81, 54.398, 167.192



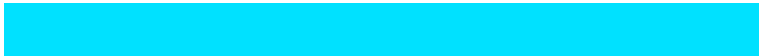
52, 66.701, 9.369

Rectangle

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



81, 54.398, 167.192



81, 54.398, 217.192



81, 54.398, 347.192



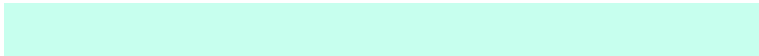
81, 54.398, 37.192

Sweetspot

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



81, 54.398, 167.191



96, 21.008, 174.068



81, 89.765, 132.287



51, 14.060, 173.776



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, 54.398, 167.191



90, 66.761, 164.236



73, 36.325, 227.282



46, 4.953, 175.371



64, 53.192, 162.193



17, 20.551, 166.288

Inverse Universe

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



52, 66.701, 9.369



55, 82.968, 16.062



57, 66.408, 41.708



44, 5.092, 357.021



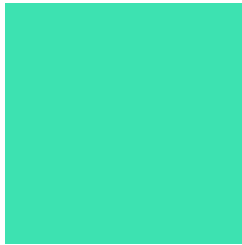
37, 66.405, 21.175



6, 25.353, 7.868

Previews

White Background



This preview shows how the CIE LCh color 81, 54.398, 167.192 looks on a white background.

Color Contrast Check

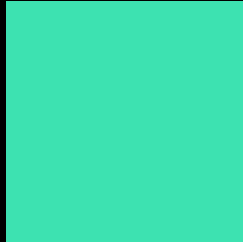
Large Text (above 18pt) WCAG AA × Fail

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, 54.398, 167.192 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

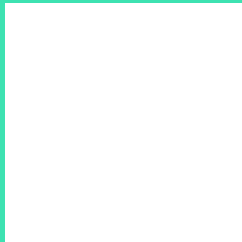
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 54.398, 167.192

Background



This preview shows how black text looks on a background with the CIELCh color 81, 54.398, 167.192.

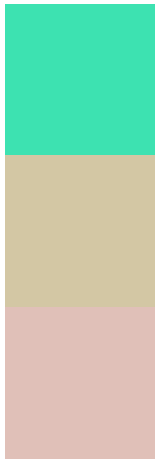


This preview shows how white text looks on a background with the CIELCh color 81, 54.398, 167.192.

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, 54.398, 167.192

Protanopia
80, 19.108, 94.175

Deuteranopia
80, 13.030, 39.168



Tritanopia
81, 35.554, 212.969

Trichromacy



Original Color
81, 54.398, 167.192



Protanomaly
79, 28.971, 150.258



Deuteranomaly
79, 18.905, 157.571

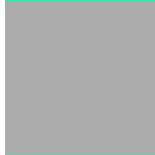


Tritanomaly
81, 39.835, 191.266

Monochromacy



Original Color
81, 54.398, 167.192



Achromatopsia
70, 0.009, 296.813



Achromatomaly
73, 23.436, 172.868

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 54.398, 167.192 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(61, 226, 177)` looks like.

```
.text, #text, p{  
    color:rgb(61, 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(61, 226, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 226, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 54.398, 167.192 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(61, 226, 177) }
```

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

```
.border{ border-color:rgb(61, 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(61, 226, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 226, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 226, 177);  
box-shadow:4px 4px 4px 4px rgb(61, 226,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 54.398, 167.192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 226, 177) }
```

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

```
.background{ background-color: rgb(61, 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](#).

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