

Converting Colors

CIELCh(82, 55.691, 161.831)

Have a look what the booklet for
CIELCh(82, 55.691, 161.831)
contains.

CIELCh(82, 55.275, 162.118)	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(82, 55.275, 162.118)

Conversions

Conversions Part 1

Format	Color
Hex	50E4AA
RGB	80, 228, 170
RGB Percent	31%, 89%, 67%
CMY	0.6848, 0.1046, 0.3322
CMYK	0.65, 0.00, 0.25, 0.10
HSL	156°, 73%, 61%
HSV	156°, 65%, 90%
XYZ	38.4557, 60.2982, 47.7903
YIQ	177.1360, -69.5900, -49.4140

Conversions

Conversions Part 2

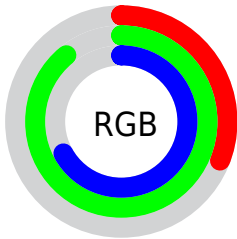
Format	Color
RYB	80, 172, 228
Decimal	5301418
CIELab	82.00, -52.60, 16.97
CIELCh	82, 55.275, 162.118
Yxy	60.2982, 0.2624, 0.4115
Android (android.graphics.Color)	4283491498 (0xFF50E4AA)
YUV	177.1360, -3.5180, -85.1883
Hunter-Lab	77.6519, -47.4919, 17.8667

Details

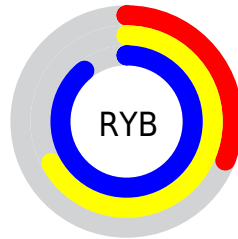
The CIELCh color **82, 55.275, 162.118** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **56, 61.951, 359.355**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.986, 173.488**, and **62, 52.900, 161.211** is the 20% darker color. If you saturate the color by 10%, you get **81, 61.457, 160.326**, and if you desaturate by 10%, it is **83, 48.222, 163.709**.

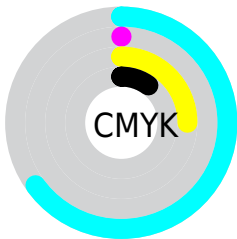
Distribution



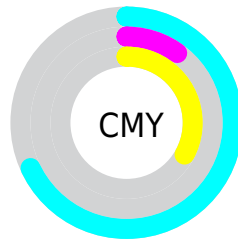
- Red (31%)
- Green (89%)
- Blue (67%)



- Red (31%)
- Yellow (67%)
- Blue (89%)



- Cyan (65%)
- Magenta (0%)
- Yellow (25%)
- Black (10%)





- Cyan (68%)
- Magenta (10%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 55.275, 162.118 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 82, 55.275, 162.118 by changing the saturation by 10% instead.


 82, 55.275,
162.118


 82, 55.275,
162.118


 100, 55.275,
162.118


 72, 55.275,
162.118

 62, 55.275,
162.118

 52, 55.275,
162.118

 42, 55.275,
162.118

 32, 55.275,
162.118

 22, 55.275,
162.118

 12, 55.275,

162.118

■ 2, 55.275, 162.118

■ 0, 55.275, 162.118

■ 82, 55.275,
162.118

■ 82, 55.275,
162.118

■ 81, 61.457,
160.326

■ 83, 48.222,
163.709

■ 81, 66.723,
158.321

■ 84, 40.405,
165.125

■ 81, 71.115,
156.110

■ 85, 31.968,
166.389

■ 80, 73.171,
154.930


■ 86, 23.072,
167.528


■ 88, 13.871,

168.569

 90, 4.506, 169.581

 92, 4.907, 350.237

 93, 11.840,
343.931

 93, 14.995,
329.578

Harmonies

Complementary

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



82, 55.275, 162.118



56, 61.951, 359.355

Rectangle

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



82, 55.275, 162.118



82, 55.275, 212.118



82, 55.275, 342.118



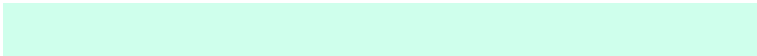
82, 55.275, 32.118

Sweetspot

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



82, 55.276, 162.117



96, 19.434, 168.129



83, 80.043, 129.632



51, 13.344, 167.828



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 55.276, 162.117



90, 69.036, 159.612



79, 36.174, 209.813



47, 5.359, 169.099



64, 60.418, 155.332



18, 23.575, 159.484

Inverse Universe

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



56, 61.951, 359.355



58, 77.051, 3.514



57, 61.518, 34.283



45, 5.466, 350.710



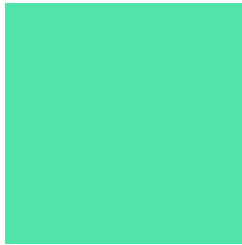
38, 64.969, 12.280



7, 26.877, 2.819

Previews

White Background



This preview shows how the CIE LCh color 82, 55.275, 162.118 looks on a white background.

Color Contrast Check

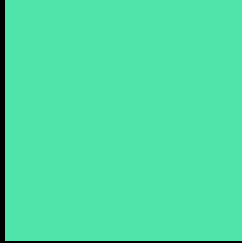
Large Text (above 18pt) WCAG AA × Fail

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 82, 55.275, 162.118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

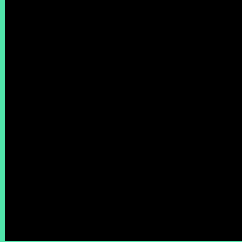
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 55.275, 162.118

Background



This preview shows how black text looks on a background with the CIELCh color 82, 55.275, 162.118.

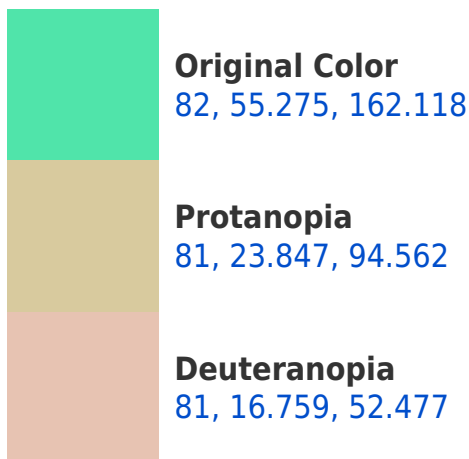


This preview shows how white text looks on a background with the CIELCh color 82, 55.275, 162.118.

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



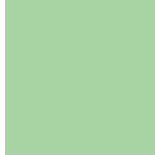


Tritanopia
82, 33.118, 213.304

Trichromacy



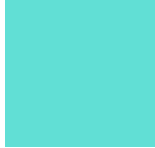
Original Color
82, 55.275, 162.118



Protanomaly
81, 31.421, 140.363



Deuteranomaly
80, 20.615, 142.705

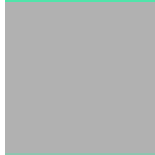


Tritanomaly
82, 37.618, 188.656

Monochromacy



Original Color
82, 55.275, 162.118



Achromatopsia
72, 0.009, 296.813



Achromatomaly
75, 22.531, 167.457

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 55.275, 162.118 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(80, 228, 170)` looks like.

```
.text, #text, p{  
    color:rgb(80, 228, 170)  
}
```

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(80, 228, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 228, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 55.275, 162.118 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(80, 228, 170) }
```

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

```
.border{ border-color:rgb(80, 228, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 228, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 228, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 228, 170);  
box-shadow:4px 4px 4px 4px rgb(80, 228,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 55.275, 162.118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 228, 170) }
```

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

```
.background{ background-color: rgb(80, 228,  
170) }
```

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