

Converting Colors

CIELCh(82, 55.186, 165.274)

Have a look what the booklet for
CIELCh(82, 55.186, 165.274)
contains.

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Color

CIELCh(82, 55.219, 165.251)

Conversions

Conversions Part 1

Format	Color
Hex	45E5B0
RGB	69, 229, 176
RGB Percent	27%, 90%, 69%
CMY	0.7305, 0.1028, 0.3106
CMYK	0.70, 0.00, 0.23, 0.10
HSL	160°, 75%, 58%
HSV	160°, 70%, 90%
XYZ	38.2083, 60.2982, 50.5927
YIQ	175.1180, -78.3470, -50.4030

Conversions

Conversions Part 2

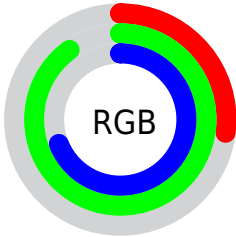
Format	Color
R _{YB}	69, 165, 229
Decimal	4580784
CIE _{Lab}	82.00, -53.40, 14.06
CIE _{LCh}	82, 55.219, 165.251
Y _{xy}	60.2982, 0.2563, 0.4044
Android (android.graphics.Color)	4282770864 (0xFF45E5B0)
YUV	175.1180, 0.4348, -93.0655
Hunter-Lab	77.6519, -48.0606, 15.7270

Details

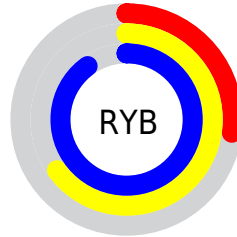
The CIELCh color **82, 55.219, 165.251** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **54, 65.223, 5.575**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 39.045, 179.160**, and **62, 51.492, 163.202** is the 20% darker color. If you saturate the color by 10%, you get **81, 60.333, 163.407**, and if you desaturate by 10%, it is **83, 49.191, 166.895**.

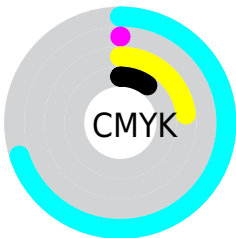
Distribution



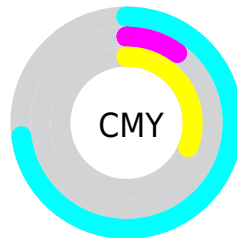
- Red (27%)
- Green (90%)
- Blue (69%)



- Red (27%)
- Yellow (65%)
- Blue (90%)



- Cyan (70%)
- Magenta (0%)
- Yellow (23%)
- Black (10%)





- Cyan (73%)
- Magenta (10%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 55.219, 165.251 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, 55.219, 165.251 by changing the saturation by 10% instead.


 82, 55.219,
165.251


 82, 55.219,
165.251


 100, 55.219,
165.251


 72, 55.219,
165.251

 62, 55.219,
165.251

 52, 55.219,
165.251

 42, 55.219,
165.251

 32, 55.219,
165.251

 22, 55.219,
165.251

 12, 55.219,

165.251

■ 2, 55.219, 165.251

■ 0, 55.219, 165.251

■ 82, 55.219,
165.251

■ 82, 55.219,
165.251

■ 81, 60.333,
163.407

■ 83, 49.191,
166.895

■ 81, 64.540,
161.357

■ 84, 42.315,
168.363

■ 81, 68.015,
159.152

■ 85, 34.711,
169.679

■ 81, 68.026,
159.145

■ 86, 26.525,
170.870


■ 87, 17.910,

171.961

 89, 9.013, 172.983

 91, 0.038, 340.101

 93, 9.132, 354.652

 93, 12.190,
340.408

Harmonies

Complementary

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



82, 55.219, 165.251



54, 65.223, 5.575

Rectangle

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



82, 55.219, 165.251



82, 55.219, 215.251



82, 55.219, 345.251



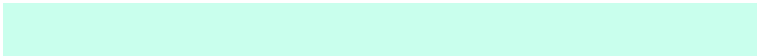
82, 55.219, 35.251

Sweetspot

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



82, 55.219, 165.250



96, 20.544, 171.838



82, 86.946, 131.467



51, 13.858, 171.542



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, 55.219, 165.250



90, 67.680, 162.503



76, 36.190, 220.905



47, 5.151, 173.034



64, 56.127, 159.540



18, 22.096, 163.539

Inverse Universe

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



54, 65.223, 5.575



56, 80.320, 11.147



57, 64.891, 39.232



45, 5.279, 354.683



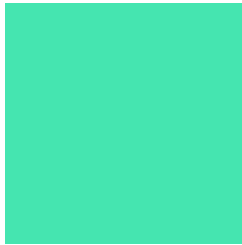
38, 66.148, 18.105



7, 26.701, 6.711

Previews

White Background



This preview shows how the CIELCh color 82, 55.219, 165.251 looks on a white background.

Color Contrast Check

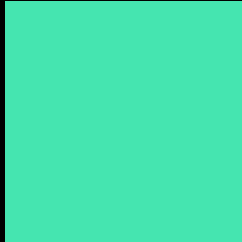
Large Text (above 18pt) WCAG AA × Fail

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 82, 55.219, 165.251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

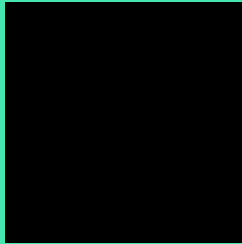
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 55.219, 165.251

Background



This preview shows how black text looks on a background with the CIELCh color 82, 55.219, 165.251.

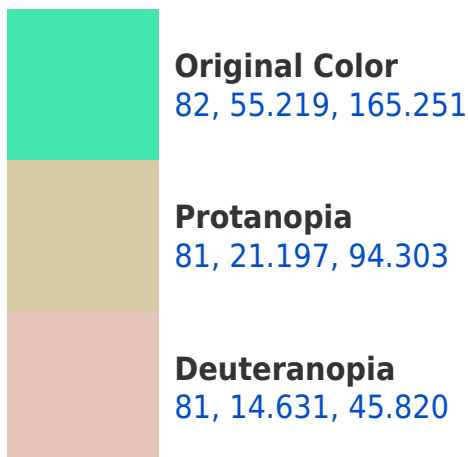


This preview shows how white text looks on a background with the CIELCh color 82, 55.219, 165.251.

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, 34.948, 213.269

Trichromacy



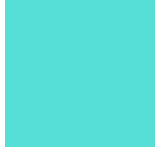
Original Color
82, 55.219, 165.251



Protanomaly
81, 29.867, 146.261



Deuteranomaly
80, 19.632, 151.115



Tritanomaly
82, 39.254, 190.464

Monochromacy



Original Color
82, 55.219, 165.251



Achromatopsia
71, 0.009, 296.813



Achromatomaly
74, 23.659, 170.342

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 55.219, 165.251 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, 229, 176)` looks like.

```
.text, #text, p{  
    color:rgb(69, 229, 176)  
}
```

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, 229, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 229, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 55.219, 165.251 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, 229, 176) }
```

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

```
.border{ border-color:rgb(69, 229, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 229, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 229, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 229, 176);  
box-shadow:4px 4px 4px 4px rgb(69, 229,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 55.219, 165.251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 229, 176) }
```

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

```
.background{ background-color: rgb(69, 229,  
176) }
```

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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