

Converting Colors

CIELCh(82, 49.805, 169.599)

Have a look what the booklet for
CIELCh(82, 49.805, 169.599)
contains.

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Color

CIELCh(82, 49.825, 169.480)

Conversions

Conversions Part 1

Format	Color
Hex	4FE3B9
RGB	79, 227, 185
RGB Percent	31%, 89%, 73%
CMY	0.6887, 0.1086, 0.2734
CMYK	0.65, 0.00, 0.18, 0.11
HSL	163°, 73%, 60%
HSV	163°, 65%, 89%
XYZ	39.5952, 60.2982, 55.6108
YIQ	177.9600, -74.7260, -44.4380

Conversions

Conversions Part 2

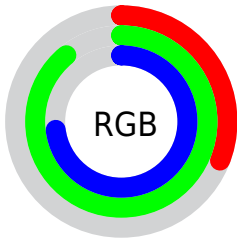
Format	Color
RYB	79, 165, 227
Decimal	5235641
CIELab	82.00, -48.99, 9.10
CIELCh	82, 49.825, 169.480
Yxy	60.2982, 0.2546, 0.3878
Android (android.graphics.Color)	4283425721 (0xFF4FE3B9)
YUV	177.9600, 3.4707, -86.7879
Hunter-Lab	77.6519, -44.8724, 11.8955

Details

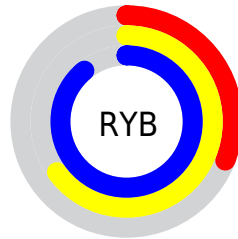
The CIELCh color **82, 49.825, 169.480** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **55, 60.951, 7.752**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.513, 185.375**, and **62, 47.689, 168.220** is the 20% darker color. If you saturate the color by 10%, you get **81, 54.907, 167.809**, and if you desaturate by 10%, it is **83, 43.843, 170.974**.

Distribution



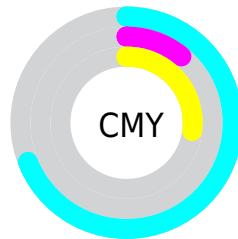
- Red (31%)
- Green (89%)
- Blue (73%)



- Red (31%)
- Yellow (65%)
- Blue (89%)



- Cyan (65%)
- Magenta (0%)
- Yellow (18%)
- Black (11%)




- Cyan (69%)
- Magenta (11%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 49.825, 169.480 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, 49.825, 169.480 by changing the saturation by 10% instead.

 82, 49.825,
169.480

 82, 49.825,
169.480


 100, 49.825,
169.480

 72, 49.825,
169.480

 62, 49.825,
169.480

 52, 49.825,
169.480

 42, 49.825,
169.480

 32, 49.825,
169.480

 22, 49.825,
169.480

 12, 49.825,

169.480

■ 2, 49.825, 169.480

■ 0, 49.825, 169.480

■ 82, 49.825,
169.480

■ 82, 49.825,
169.480

■ 81, 54.907,
167.809

■ 83, 43.843,
170.974

■ 81, 59.062,
165.944

■ 84, 37.046,
172.318

■ 81, 62.353,
163.882

■ 85, 29.563,
173.537

■ 81, 63.771,
162.837


■ 86, 21.541,
174.655


■ 88, 13.126,

175.697

 89, 4.458, 176.731

 91, 4.347, 357.387

 93, 11.125,
353.719

 93, 12.903,
340.348

Harmonies

Complementary

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



82, 49.825, 169.480



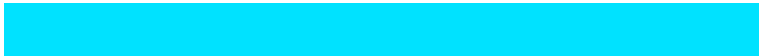
55, 60.951, 7.752

Rectangle

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



82, 49.825, 169.480



82, 49.825, 219.480



82, 49.825, 349.480



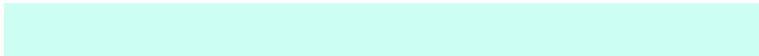
82, 49.825, 39.480

Sweetspot

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



82, 49.825, 169.479



96, 18.993, 175.179



82, 82.418, 132.485



51, 12.906, 174.882



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, 49.825, 169.479



90, 61.552, 167.195



75, 34.350, 225.485



47, 5.008, 176.265



65, 52.922, 163.207



18, 21.003, 167.015

Inverse Universe

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



55, 60.951, 7.752



57, 77.152, 12.532



60, 58.044, 40.948



45, 5.155, 357.921



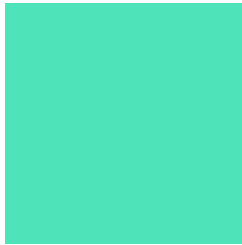
37, 67.570, 22.383



7, 26.647, 9.374

Previews

White Background



This preview shows how the CIE LCh color 82, 49.825, 169.480 looks on a white background.

Color Contrast Check

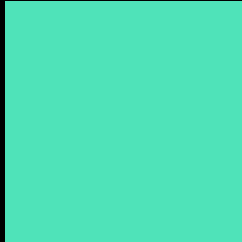
Large Text (above 18pt) WCAG AA × Fail

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, 49.825, 169.480 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

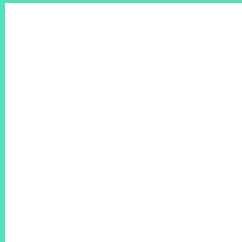
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 49.825, 169.480

Background



This preview shows how black text looks on a background with the CIELCh color 82, 49.825, 169.480.

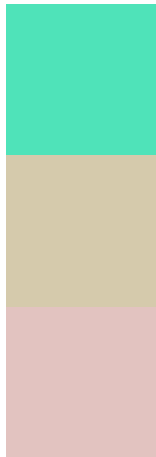


This preview shows how white text looks on a background with the CIELCh color 82, 49.825, 169.480.

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

82, 49.825, 169.480

Protanopia

81, 16.400, 93.636

Deuteranopia

81, 11.862, 27.911

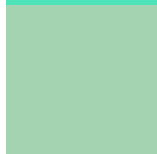


Tritanopia
82, 34.074, 213.742

Trichromacy



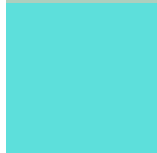
Original Color
82, 49.825, 169.480



Protanomaly
81, 25.053, 151.689



Deuteranomaly
80, 15.366, 162.258



Tritanomaly
82, 37.397, 193.586

Monochromacy



Original Color
82, 49.825, 169.480



Achromatopsia
73, 0.009, 296.813



Achromatomaly
75, 20.813, 174.862

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 49.825, 169.480 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(79, 227, 185)` looks like.

```
.text, #text, p{  
    color:rgb(79, 227, 185)  
}
```

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(79, 227, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 227, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 49.825, 169.480 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(79, 227, 185) }
```

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

```
.border{ border-color:rgb(79, 227, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 227, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 227, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 227, 185);  
box-shadow:4px 4px 4px 4px rgb(79, 227,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 49.825, 169.480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 227, 185) }
```

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

```
.background{ background-color: rgb(79, 227,  
185) }
```

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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