

Converting Colors

CIELCh(82, 40.991, 183.810)

Have a look what the booklet for
CIELCh(82, 40.991, 183.810)
contains.

CIELCh(82, 41.081, 183.839)	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, 41.081, 183.839)

Conversions

Conversions Part 1

Format	Color
Hex	58E1D0
RGB	88, 225, 208
RGB Percent	35%, 88%, 82%
CMY	0.6562, 0.1187, 0.1854
CMYK	0.61, 0.00, 0.08, 0.12
HSL	173°, 69%, 61%
HSV	173°, 61%, 88%
XYZ	42.1945, 60.2982, 68.9132
YIQ	182.0990, -76.1950, -34.3310

Conversions

Conversions Part 2

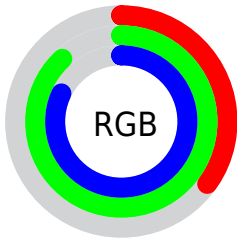
Format	Color
R _Y B	88, 161, 225
Decimal	5824976
CIE Lab	82.00, -40.99, -2.75
CIE LCh	82, 41.081, 183.839
Yxy	60.2982, 0.2462, 0.3518
Android (android.graphics.Color)	4284015056 (0xFF58E1D0)
YUV	182.0990, 12.7692, -82.5248
Hunter-Lab	77.6519, -38.8975, 1.7386

Details

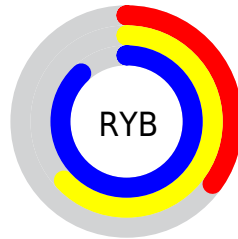
The CIELCh color **82, 41.081, 183.839** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **56, 57.765, 18.898**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.646, 197.470**, and **62, 39.923, 183.803** is the 20% darker color. If you saturate the color by 10%, you get **81, 45.102, 182.771**, and if you desaturate by 10%, it is **83, 36.112, 184.829**.

Distribution



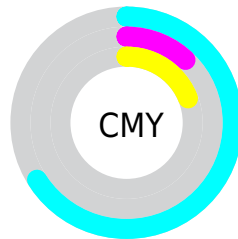
- Red (35%)
- Green (88%)
- Blue (82%)



- Red (35%)
- Yellow (63%)
- Blue (88%)



- Cyan (61%)
- Magenta (0%)
- Yellow (8%)
- Black (12%)





- Cyan (66%)
- Magenta (12%)
- Yellow (19%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 41.081, 183.839 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, 41.081, 183.839 by changing the saturation by 10% instead.


 82, 41.081,
183.839


 82, 41.081,
183.839


 100, 41.081,
183.839

 72, 41.081,
183.839

 62, 41.081,
183.839

 52, 41.081,
183.839

 42, 41.081,
183.839

 32, 41.081,
183.839

 22, 41.081,
183.839

 12, 41.081,

183.839

■ 2, 41.081, 183.839

■ 0, 41.081, 183.839

■ 82, 41.081,
183.839

■ 82, 41.081,
183.839

■ 81, 45.102,
182.771

■ 83, 36.112,
184.829

■ 81, 48.147,
181.609

■ 84, 30.277,
185.763

■ 81, 50.255,
180.331

■ 85, 23.693,
186.655

■ 81, 51.532,
179.092

■ 86, 16.496,
187.521

■ 88, 8.822, 188.383

■ 89, 0.800, 189.851

■ 91, 7.453, 9.845

■ 92, 11.320, 6.247

■ 92, 11.711,
359.399

Harmonies

Complementary

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



82, 41.081, 183.839



56, 57.765, 18.898

Rectangle

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



82, 41.081, 183.839



82, 41.081, 233.839



82, 41.081, 3.839



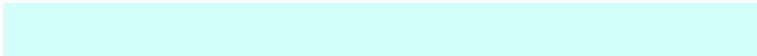
82, 41.081, 53.839

Sweetspot

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



82, 41.081, 183.838



97, 15.783, 187.766



80, 81.012, 136.629



51, 10.892, 187.515



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, 41.081, 183.838



91, 50.571, 182.487



68, 35.005, 251.110



46, 4.568, 188.519



64, 42.821, 179.336



17, 17.185, 181.830

Inverse Universe

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



56, 57.765, 18.898



58, 76.488, 23.199



66, 49.519, 54.932



44, 4.782, 9.961



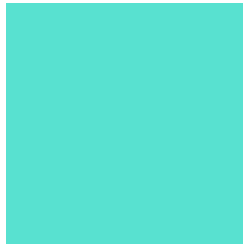
37, 73.820, 34.356



6, 25.319, 15.704

Previews

White Background



This preview shows how the CIE LCh color 82, 41.081, 183.839 looks on a white background.

Color Contrast Check

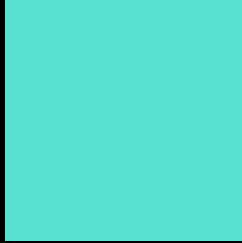
Large Text (above 18pt) WCAG AA × Fail

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, 41.081, 183.839 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

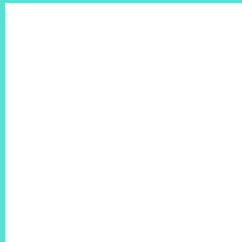
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 41.081, 183.839

Background



This preview shows how black text looks on a background with the CIELCh color 82, 41.081, 183.839.

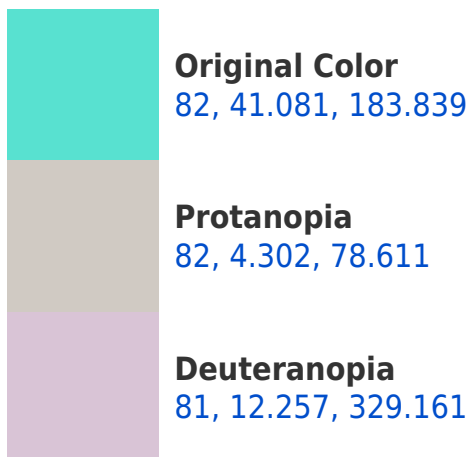


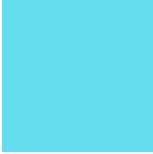
This preview shows how white text looks on a background with the CIELCh color 82, 41.081, 183.839.

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



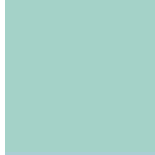


Tritanopia
82, 34.253, 213.644

Trichromacy



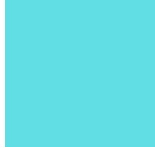
Original Color
82, 41.081, 183.839



Protanomaly
81, 17.028, 179.929



Deuteranomaly
80, 12.655, 213.269

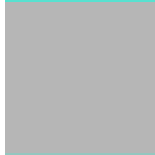


Tritanomaly
82, 35.657, 201.344

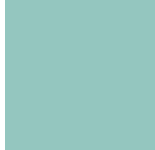
Monochromacy



Original Color
82, 41.081, 183.839



Achromatopsia
74, 0.009, 296.813



Achromatomaly
76, 17.853, 185.825

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 41.081, 183.839 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(88, 225, 208)` looks like.

```
.text, #text, p{  
    color:rgb(88, 225, 208)  
}
```

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(88, 225, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 225, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 41.081, 183.839 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(88, 225, 208) }
```

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

```
.border{ border-color:rgb(88, 225, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 225, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 225, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 225, 208);  
box-shadow:4px 4px 4px 4px rgb(88, 225,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 41.081, 183.839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 225, 208) }
```

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

```
.background{ background-color: rgb(88, 225,  
208) }
```

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