

Converting Colors

CIELCh(82, 47.272, 189.473)

Have a look what the booklet for
CIELCh(82, 47.272, 189.473)
contains.

CIELCh(82, 47.122, 189.733)	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, 47.122, 189.733)

Conversions

Conversions Part 1

Format	Color
Hex	13E3D9
RGB	19, 227, 217
RGB Percent	7%, 89%, 85%
CMY	0.9236, 0.1084, 0.1477
CMYK	0.91, 0.00, 0.04, 0.11
HSL	177°, 84%, 48%
HSV	177°, 91%, 89%
XYZ	40.4099, 60.2982, 75.3855
YIQ	163.6680, -120.7580, -47.2060

Conversions

Conversions Part 2

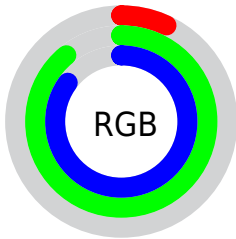
Format	Color
RYB	19, 126, 227
Decimal	1303513
CIELab	82.00, -46.44, -7.97
CIElCh	82, 47.122, 189.733
Yxy	60.2982, 0.2295, 0.3424
Android (android.graphics.Color)	4279493593 (0xFF13E3D9)
YUV	163.6680, 26.2927, -126.8738
Hunter-Lab	77.6519, -42.9997, -3.2032




Details

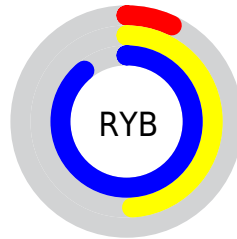
The CIELCh color **82, 47.122, 189.733** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **48, 88.748, 35.785**, and the grayscale version is **67, 0.008, 296.813**.




A 20% lighter version of the original color is **93, 39.445, 197.005**, and **63, 38.815, 188.677** is the 20% darker color. If you saturate the color by 10%, you get **82, 47.852, 189.176**, and if you desaturate by 10%, it is **82, 45.589, 190.356**.

Distribution







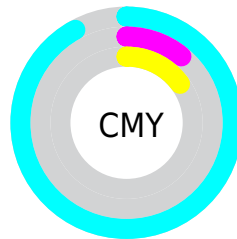
-  Red (7%)
-  Green (89%)
-  Blue (85%)






-  Red (7%)
-  Yellow (49%)
-  Blue (89%)



-  Cyan (91%)
-  Magenta (0%)
-  Yellow (4%)
-  Black (11%)



-  Cyan (92%)
-  Magenta (11%)
-  Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 47.122, 189.733 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, 47.122, 189.733 by changing the saturation by 10% instead.


 82, 47.122,
189.733

 82, 47.122,
189.733


 100, 47.122,
189.733


 72, 47.122,
189.733

 62, 47.122,
189.733

 52, 47.122,
189.733

 42, 47.122,
189.733

 32, 47.122,
189.733

 22, 47.122,
189.733

 12, 47.122,

189.733

■ 2, 47.122, 189.733

■ 0, 47.122, 189.733

■ 82, 47.122,
189.733

■ 82, 47.122,
189.733

■ 82, 47.852,
189.176

■ 82, 45.589,
190.356

■ 83, 43.106,
190.958

■ 83, 39.616,
191.552

■ 84, 35.132,
192.148

■ 85, 29.720,

192.755

■ 86, 23.486,
193.379

■ 87, 16.558,
194.026

■ 88, 9.070, 194.708

■ 90, 1.154, 195.828

Harmonies

Complementary

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



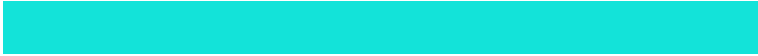
82, 47.122, 189.733



48, 88.748, 35.785

Rectangle

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



82, 47.122, 189.733



82, 47.122, 239.733



82, 47.122, 9.733



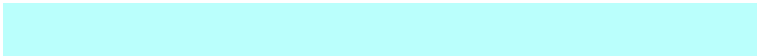
82, 47.122, 59.733

Sweetspot

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



82, 47.122, 189.732



96, 22.484, 193.651



79, 107.314, 136.022



50, 14.968, 193.431



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, 47.122, 189.732



91, 52.205, 189.132



55, 55.719, 275.286



47, 4.564, 194.851



66, 39.905, 189.284



18, 16.631, 190.341

Inverse Universe

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



48, 88.748, 35.785



53, 102.738, 38.691



60, 75.473, 58.293



45, 4.820, 16.038



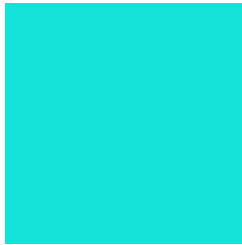
37, 77.927, 38.018



6, 26.951, 19.773

Previews

White Background



This preview shows how the CIE LCh color 82, 47.122, 189.733 looks on a white background.

Color Contrast Check

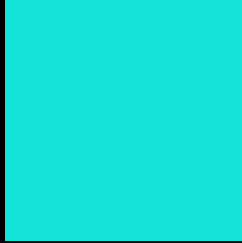
Large Text (above 18pt) WCAG AA × Fail

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, 47.122, 189.733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

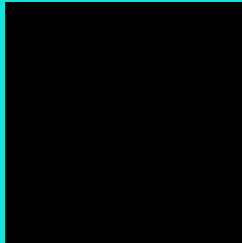
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

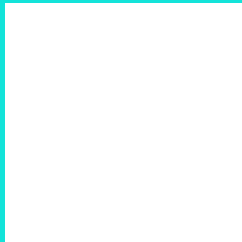
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 47.122, 189.733

Background



This preview shows how black text looks on a background with the CIELCh color 82, 47.122, 189.733.

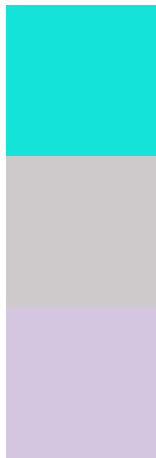


This preview shows how white text looks on a background with the CIELCh color 82, 47.122, 189.733.

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](#).

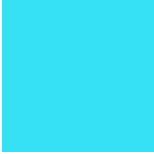
Dichromacy



Original Color
82, 47.085, 189.730

Protanopia
81, 1.914, 3.195

Deuteranopia
81, 15.364, 311.499



Tritanopia
82, 41.356, 210.335

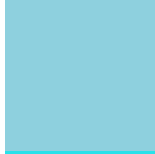
Trichromacy



Original Color
82, 47.085, 189.730



Protanomaly
80, 24.000, 193.846

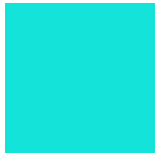


Deuteranomaly
80, 22.036, 217.989

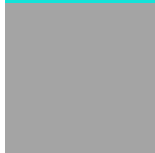


Tritanomaly
82, 43.009, 202.341

Monochromacy



Original Color
82, 47.085, 189.730



Achromatopsia
67, 0.008, 296.813



Achromatomaly
71, 25.063, 192.408

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 47.122, 189.733 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(19, 227, 217)` looks like.

```
.text, #text, p{  
    color:rgb(19, 227, 217)  
}
```

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(19, 227, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 227, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 47.122, 189.733 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(19, 227, 217) }
```

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

```
.border{ border-color:rgb(19, 227, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 227, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 227, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 227, 217);  
box-shadow:4px 4px 4px 4px rgb(19, 227,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 47.122, 189.733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 227, 217) }
```

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

```
.background{ background-color: rgb(19, 227,  
217) }
```

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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