

Converting Colors

CIELCh(82, 44.082, 189.466)

Have a look what the booklet for
CIELCh(82, 44.082, 189.466)
contains.

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Color

CIELCh(82, 44.082, 189.466)

Conversions

Conversions Part 1

Format	Color
Hex	3AE2D8
RGB	58, 226, 216
RGB Percent	23%, 89%, 85%
CMY	0.7721, 0.1134, 0.1526
CMYK	0.74, 0.00, 0.04, 0.11
HSL	176°, 74%, 56%
HSV	176°, 74%, 89%
XYZ	41.3726, 60.2982, 74.4734
YIQ	174.6280, -96.9180, -38.7260

Conversions

Conversions Part 2

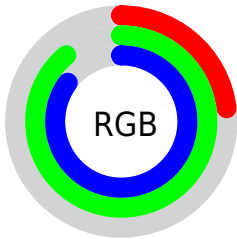
Format	Color
RYB	58, 145, 226
Decimal	3859160
CIELab	82.00, -43.48, -7.25
CIELCh	82, 44.082, 189.466
Yxy	60.2982, 0.2349, 0.3423
Android (android.graphics.Color)	4282049240 (0xFF3AE2D8)
YUV	174.6280, 20.3964, -102.2828
Hunter-Lab	77.6519, -40.7869, -2.5068

Details

The CIELCh color **82, 44.082, 189.466** 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 **51, 72.743, 28.135**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.231, 197.196**, and **63, 38.657, 188.637** is the 20% darker color. If you saturate the color by 10%, you get **82, 46.347, 188.755**, and if you desaturate by 10%, it is **82, 40.824, 190.146**.

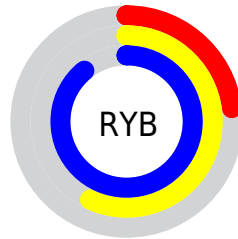
Distribution



Red (23%)

Green (89%)

Blue (85%)



Red (23%)

Yellow (57%)

Blue (89%)

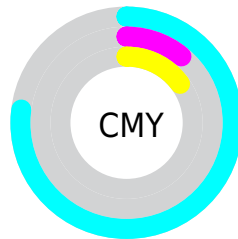


Cyan (74%)

Magenta (0%)

Yellow (4%)

Black (11%)



Cyan (77%)

Magenta (11%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 44.082, 189.466 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, 44.082, 189.466 by changing the saturation by 10% instead.

 82, 44.082,
189.466

 82, 44.082,
189.466

 100, 44.082,
189.466

 72, 44.082,
189.466

 62, 44.082,
189.466

 52, 44.082,
189.466

 42, 44.082,
189.466

 32, 44.082,
189.466

 22, 44.082,
189.466

 12, 44.082,

189.466

■ 2, 44.082, 189.466

■ 0, 44.082, 189.466

■ 82, 44.082,
189.466

■ 82, 44.082,
189.466

■ 82, 46.347,
188.755

■ 82, 40.824,
190.146

■ 81, 47.697,
188.003

■ 83, 36.570,
190.812

■ 81, 48.187,
187.558

■ 84, 31.375,
191.476

■ 85, 25.338,
192.144

■ 86, 18.582,

192.824

■ 88, 11.241,
193.526

■ 89, 3.448, 194.335

■ 91, 4.675, 14.732

■ 92, 10.579, 14.209

Harmonies

Complementary

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



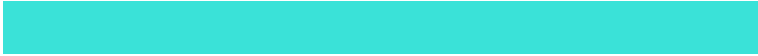
82, 44.082, 189.466



51, 72.743, 28.135

Rectangle

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



82, 44.082, 189.466



82, 44.082, 239.466



82, 44.082, 9.466



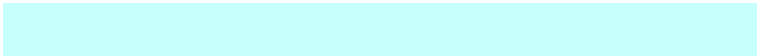
82, 44.082, 59.466

Sweetspot

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



82, 44.082, 189.465



96, 18.678, 192.972



80, 96.087, 136.766



51, 12.446, 192.784



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, 44.082, 189.465



91, 51.662, 188.362



61, 44.937, 265.391



46, 4.490, 193.886



65, 39.915, 187.695



17, 16.244, 189.049

Inverse Universe

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



51, 72.743, 28.135



54, 94.593, 34.423



64, 61.676, 59.776



44, 4.736, 15.115



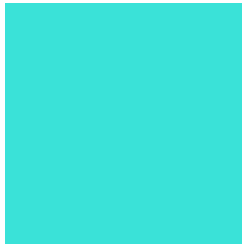
36, 76.632, 37.537



6, 25.410, 18.434

Previews

White Background



This preview shows how the CIELCh color 82, 44.082, 189.466 looks on a white background.

Color Contrast Check

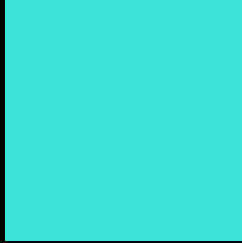
Large Text (above 18pt) WCAG AA × Fail

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, 44.082, 189.466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

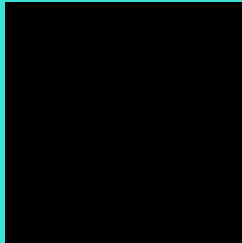
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 44.082, 189.466

Background



This preview shows how black text looks on a background with the CIELCh color 82, 44.082, 189.466.

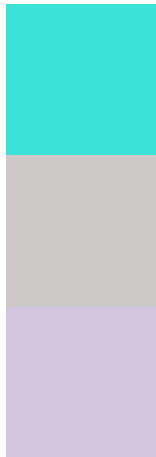


This preview shows how white text looks on a background with the CIELCh color 82, 44.082, 189.466.

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](#).

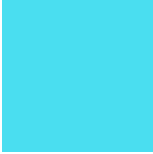
Dichromacy



Original Color
82, 44.082, 189.466

Protanopia
81, 1.834, 19.244

Deuteranopia
81, 14.869, 312.198



Tritanopia
82, 38.623, 211.480

Trichromacy



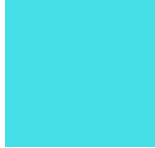
Original Color
82, 44.082, 189.466



Protanomaly
80, 19.758, 191.764



Deuteranomaly
80, 18.040, 219.168

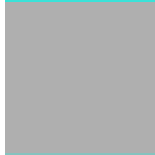


Tritanomaly
82, 39.933, 202.965

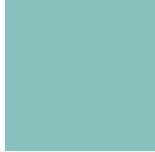
Monochromacy



Original Color
82, 44.082, 189.466



Achromatopsia
71, 0.009, 296.813



Achromatomaly
74, 20.804, 191.811

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 44.082, 189.466 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(58, 226, 216)` looks like.

```
.text, #text, p{  
    color:rgb(58, 226, 216)  
}
```

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(58, 226, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 226, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 44.082, 189.466 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(58, 226, 216) }
```

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

```
.border{ border-color:rgb(58, 226, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 226, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 226, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 226, 216);  
box-shadow:4px 4px 4px 4px rgb(58, 226,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 44.082, 189.466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 226, 216) }
```

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

```
.background{ background-color: rgb(58, 226,  
216) }
```

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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