

Converting Colors

CIELCh(82, 44.805, 190.223)

Have a look what the booklet for
CIELCh(82, 44.805, 190.223)
contains.

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Color

CIELCh(82, 44.712, 190.216)

Conversions

Conversions Part 1

Format	Color
Hex	33E2D9
RGB	51, 226, 217
RGB Percent	20%, 89%, 85%
CMY	0.8015, 0.1124, 0.1477
CMYK	0.78, 0.00, 0.04, 0.11
HSL	177°, 75%, 54%
HSV	177°, 78%, 89%
XYZ	41.2020, 60.2982, 75.3393
YIQ	172.6490, -101.4110, -39.8990

Conversions

Conversions Part 2

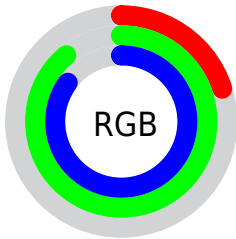
Format	Color
RYB	51, 141, 226
Decimal	3400409
CIELab	82.00, -44.00, -7.93
CIELCh	82, 44.712, 190.216
Yxy	60.2982, 0.2330, 0.3410
Android (android.graphics.Color)	4281590489 (0xFF33E2D9)
YUV	172.6490, 21.8650, -106.6862
Hunter-Lab	77.6519, -41.1789, -3.1679

Details

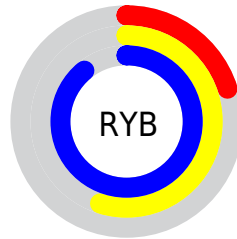
The CIELCh color **82, 44.712, 190.216** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **51, 76.379, 29.996**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.074, 197.146**, and **63, 38.443, 189.464** is the 20% darker color. If you saturate the color by 10%, you get **82, 46.607, 189.571**, and if you desaturate by 10%, it is **82, 41.839, 190.837**.

Distribution



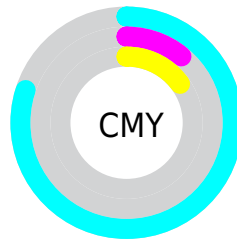
- Red (20%)
- Green (89%)
- Blue (85%)



- Red (20%)
- Yellow (55%)
- Blue (89%)



- Cyan (78%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)



- Cyan (80%)
- Magenta (11%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 44.712, 190.216 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, 44.712, 190.216 by changing the saturation by 10% instead.


 82, 44.712,
190.216


 82, 44.712,
190.216


 100, 44.712,
190.216


 72, 44.712,
190.216

 62, 44.712,
190.216

 52, 44.712,
190.216

 42, 44.712,
190.216

 32, 44.712,
190.216

 22, 44.712,
190.216

 12, 44.712,

190.216

■ 2, 44.712, 190.216

■ 0, 44.712, 190.216

■ 82, 44.712,
190.216

■ 82, 44.712,
190.216

■ 82, 46.607,
189.571

■ 82, 41.839,
190.837

■ 82, 47.647,
188.893

■ 83, 37.961,
191.452

■ 82, 47.835,
188.732

■ 84, 33.114,
192.069

■ 85, 27.381,
192.697

■ 86, 20.879,

193.341

■ 87, 13.738,
194.007

■ 89, 6.094, 194.728

■ 90, 1.928, 14.997

■ 92, 10.213, 15.934

Harmonies

Complementary

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



82, 44.712, 190.216



51, 76.379, 29.996

Rectangle

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



82, 44.712, 190.216



82, 44.712, 240.216



82, 44.712, 10.216



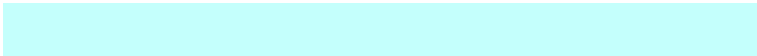
82, 44.712, 60.216

Sweetspot

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



82, 44.712, 190.215



96, 19.423, 193.636



80, 98.885, 136.523



51, 13.286, 193.396



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, 44.712, 190.215



91, 51.775, 189.170



60, 46.707, 266.812



46, 4.483, 194.588



65, 39.596, 188.852



17, 16.139, 190.034

Inverse Universe

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



51, 76.379, 29.996



54, 98.278, 36.447



63, 64.760, 59.347



44, 4.733, 15.785



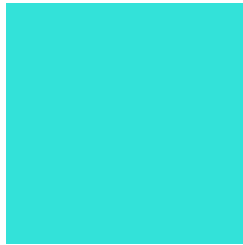
36, 76.946, 37.862



6, 25.426, 18.784

Previews

White Background



This preview shows how the CIELCh color 82, 44.712, 190.216 looks on a white background.

Color Contrast Check

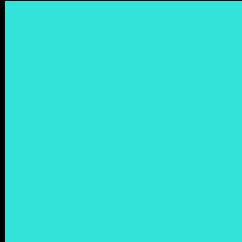
Large Text (above 18pt) WCAG AA × Fail

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, 44.712, 190.216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

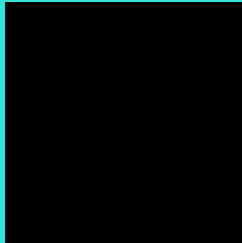
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

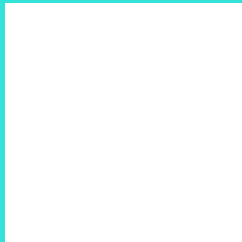
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 44.712, 190.216

Background



This preview shows how black text looks on a background with the CIELCh color 82, 44.712, 190.216.

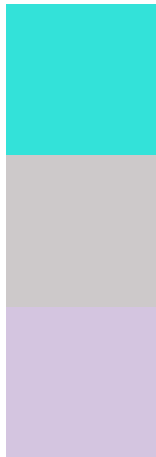


This preview shows how white text looks on a background with the CIELCh color 82, 44.712, 190.216.

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](#).

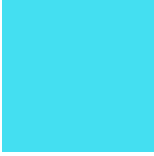
Dichromacy



Original Color
82, 44.616, 190.209

Protanopia
81, 1.566, 359.374

Deuteranopia
81, 15.364, 311.499



Tritanopia
82, 39.541, 211.078

Trichromacy



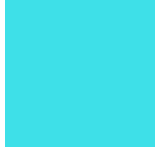
Original Color
82, 44.616, 190.209



Protanomaly
80, 20.448, 194.941



Deuteranomaly
80, 19.135, 221.343

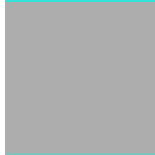


Tritanomaly
82, 40.825, 202.778

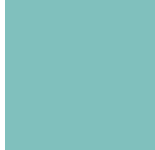
Monochromacy



Original Color
82, 44.616, 190.209



Achromatopsia
71, 0.009, 296.813



Achromatomaly
74, 21.580, 193.399

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 44.712, 190.216 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(51, 226, 217)` looks like.

```
.text, #text, p{  
    color:rgb(51, 226, 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(51, 226, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 226, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 44.712, 190.216 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(51, 226, 217) }
```

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

```
.border{ border-color:rgb(51, 226, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 226, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 226, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 226, 217);  
box-shadow:4px 4px 4px 4px rgb(51, 226,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 44.712, 190.216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 226, 217) }
```

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

```
.background{ background-color: rgb(51, 226,  
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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