

Converting Colors

CIELCh(82, 46.495, 193.936)

Have a look what the booklet for
CIELCh(82, 46.495, 193.936)
contains.

CIELCh(82, 46.518, 193.682)	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, 46.518, 193.682)

Conversions

Conversions Part 1

Format	Color
Hex	00E3DF
RGB	0, 227, 223
RGB Percent	0%, 89%, 87%
CMY	0.9984, 0.1096, 0.1253
CMYK	1.00, 0.00, 0.02, 0.11
HSL	179°, 100%, 45%
HSV	179°, 100%, 89%
XYZ	40.8130, 60.2982, 79.3341
YIQ	158.6710, -134.0080, -49.3680

Conversions

Conversions Part 2

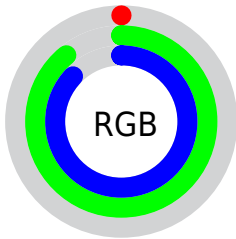
Format	Color
RYB	0, 115, 227
Decimal	58335
CIELab	82.00, -45.20, -11.00
CIELCh	82, 46.518, 193.682
Yxy	60.2982, 0.2262, 0.3342
Android (android.graphics.Color)	4278248415 (0xFF00E3DF)
YUV	158.6710, 31.7142, -139.1545
Hunter-Lab	77.6519, -42.0733, -6.2181

Details

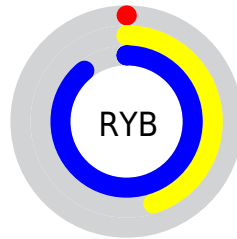
The CIELCh color **82, 46.518, 193.682** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **47, 94.961, 39.399**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.818, 196.983**, and **63, 37.637, 193.744** is the 20% darker color. If you saturate the color by 10%, you get **82, 46.528, 193.676**, and if you desaturate by 10%, it is **82, 45.778, 193.956**.

Distribution



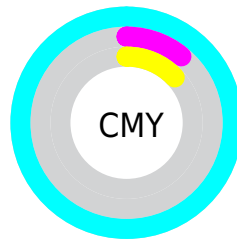
- Red (0%)
- Green (89%)
- Blue (87%)



- Red (0%)
- Yellow (45%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)



- Cyan (100%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 46.518, 193.682 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, 46.518, 193.682 by changing the saturation by 10% instead.


 82, 46.518,
193.682


 82, 46.518,
193.682


 100, 46.518,
193.682

 72, 46.518,
193.682

 62, 46.518,
193.682

 52, 46.518,
193.682

 42, 46.518,
193.682

 32, 46.518,
193.682

 22, 46.518,
193.682

 12, 46.518,

193.682

■ 2, 46.518, 193.682

■ 0, 46.518, 193.682

■ 82, 46.518,
193.682

■ 82, 46.518,
193.682

■ 82, 46.528,
193.676

■ 82, 45.778,
193.956

■ 82, 44.270,
194.250

■ 83, 41.800,
194.574

■ 83, 38.318,
194.935

■ 84, 33.841,

195.340

■ 85, 28.436,
195.789

■ 86, 22.206,
196.285

■ 87, 15.278,
196.827

■ 89, 7.785, 197.429

Harmonies

Complementary

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



82, 46.518, 193.682



47, 94.961, 39.399

Rectangle

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



82, 46.518, 193.682



82, 46.518, 243.682



82, 46.518, 13.682



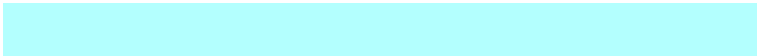
82, 46.518, 63.682

Sweetspot

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



82, 46.517, 193.681



95, 24.508, 196.266



79, 109.517, 135.915



50, 16.439, 196.051



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, 46.517, 193.681



91, 50.800, 193.659



51, 62.518, 281.196



47, 4.544, 197.453



66, 38.858, 193.718



18, 16.271, 194.124

Inverse Universe

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



47, 94.961, 39.399



53, 103.878, 39.514



59, 79.411, 57.426



45, 4.815, 18.505



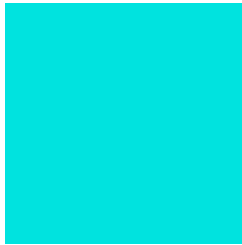
37, 79.196, 39.246



6, 27.045, 21.032

Previews

White Background



This preview shows how the CIELCh color 82, 46.518, 193.682 looks on a white background.

Color Contrast Check

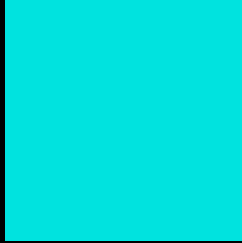
Large Text (above 18pt) WCAG AA × Fail

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, 46.518, 193.682 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

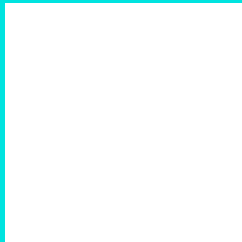
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 46.518, 193.682

Background



This preview shows how black text looks on a background with the CIELCh color 82, 46.518, 193.682.

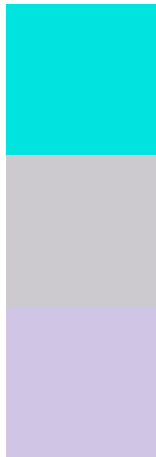


This preview shows how white text looks on a background with the CIELCh color 82, 46.518, 193.682.

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

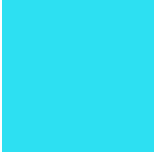
82, 46.518, 193.682

Protanopia

81, 3.386, 309.158

Deuteranopia

81, 18.104, 304.960



Tritanopia
82, 41.931, 210.113

Trichromacy



Original Color
82, 46.518, 193.682



Protanomaly
79, 25.425, 201.269



Deuteranomaly
79, 24.870, 222.200

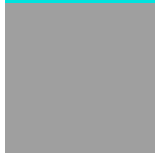


Tritanomaly
82, 43.514, 203.687

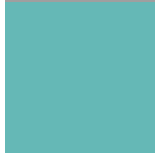
Monochromacy



Original Color
82, 46.518, 193.682



Achromatopsia
65, 0.008, 296.813



Achromatomaly
70, 26.611, 194.933

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 46.518, 193.682 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(0, 227, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 223)  
}
```

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(0, 227, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 46.518, 193.682 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(0, 227, 223) }
```

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

```
.border{ border-color:rgb(0, 227, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 227, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 227,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 46.518, 193.682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 227, 223) }
```

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

```
.background{ background-color: rgb(0, 227,  
223) }
```

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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