

Converting Colors

CIELCh(82, 44.948, 200.704)

Have a look what the booklet for
CIELCh(82, 44.948, 200.704)
contains.

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Color

CIELCh(82, 44.960, 200.587)

Conversions

Conversions Part 1

Format	Color
Hex	02E2E8
RGB	2, 226, 232
RGB Percent	1%, 89%, 91%
CMY	0.9929, 0.1133, 0.0898
CMYK	0.99, 0.03, 0.00, 0.09
HSL	182°, 98%, 46%
HSV	182°, 99%, 91%
XYZ	41.8305, 60.2982, 85.8614
YIQ	159.7080, -135.4300, -45.6220

Conversions

Conversions Part 2

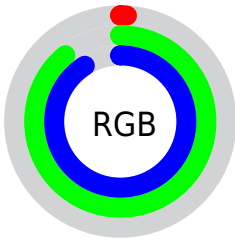
Format	Color
R _Y B	2, 115, 232
Decimal	189160
CIE Lab	82.00, -42.09, -15.81
CIE LCh	82, 44.960, 200.587
Yxy	60.2982, 0.2225, 0.3208
Android (android.graphics.Color)	4278379240 (0xFF02E2E8)
YUV	159.7080, 35.6400, -138.3099
Hunter-Lab	77.6519, -39.7343, -11.2019

Details

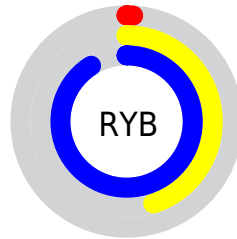
The CIELCh color **82, 44.960, 200.587** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **49, 96.648, 40.025**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.632, 196.994**, and **63, 36.218, 201.887** is the 20% darker color. If you saturate the color by 10%, you get **82, 44.989, 200.614**, and if you desaturate by 10%, it is **82, 44.415, 200.248**.

Distribution



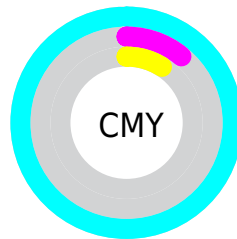
- Red (1%)
- Green (89%)
- Blue (91%)



- Red (1%)
- Yellow (45%)
- Blue (91%)



- Cyan (99%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)



- Cyan (99%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 44.960, 200.587 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, 44.960, 200.587 by changing the saturation by 10% instead.

■ 82, 44.960,
200.587

■ 82, 44.960,
200.587

■ 100, 44.960,
200.587

■ 72, 44.960,
200.587

■ 62, 44.960,
200.587

■ 52, 44.960,
200.587

■ 42, 44.960,
200.587

■ 32, 44.960,
200.587

■ 22, 44.960,
200.587

■ 12, 44.960,

200.587

■ 2, 44.960, 200.587

■ 0, 44.960, 200.587

■ 82, 44.960,
200.587

■ 82, 44.960,
200.587

■ 82, 44.989,
200.614

■ 82, 44.415,
200.248

■ 83, 43.060,
200.015

■ 83, 40.722,
199.897

■ 84, 37.355,
199.892

■ 85, 32.979,

199.993

■ 86, 27.665,
200.190

■ 87, 21.519,
200.475

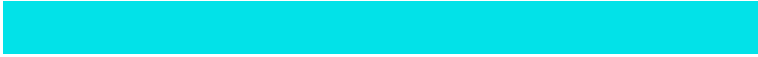
■ 89, 14.668,
200.839

■ 90, 7.243, 201.295

Harmonies

Complementary

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



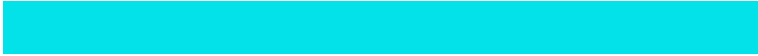
82, 44.960, 200.587



49, 96.648, 40.025

Rectangle

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



82, 44.960, 200.587



82, 44.960, 250.587



82, 44.960, 20.587



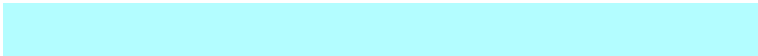
82, 44.960, 70.587

Sweetspot

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



82, 44.959, 200.586



95, 23.757, 200.445



81, 111.114, 136.140



50, 15.925, 200.317



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, 44.959, 200.586



89, 48.297, 200.637



49, 69.998, 286.028



48, 4.499, 201.281



65, 37.374, 200.544



19, 16.086, 199.915

Inverse Universe

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



55, 105.309, 329.298



60, 113.189, 329.315



62, 78.720, 61.599



46, 8.309, 325.647



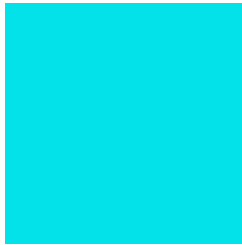
43, 87.563, 329.292



9, 37.608, 329.134

Previews

White Background



This preview shows how the CIE LCh color 82, 44.960, 200.587 looks on a white background.

Color Contrast Check

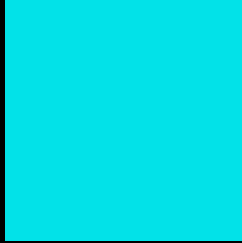
Large Text (above 18pt) WCAG AA × Fail

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, 44.960, 200.587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

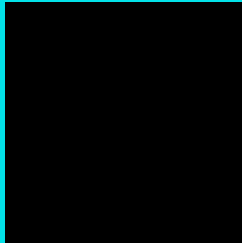
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 44.960, 200.587

Background



This preview shows how black text looks on a background with the CIELCh color 82, 44.960, 200.587.

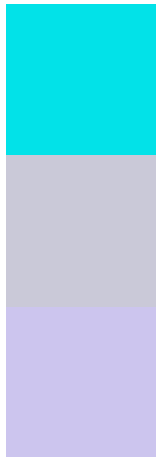


This preview shows how white text looks on a background with the CIELCh color 82, 44.960, 200.587.

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

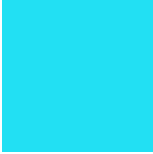
82, 44.937, 200.591

Protanopia

81, 7.984, 293.428

Deuteranopia

81, 21.990, 298.250

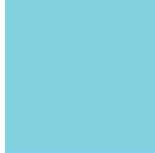


Tritanopia
82, 42.644, 210.601

Trichromacy



Original Color
82, 44.937, 200.591



Protanomaly
80, 25.666, 212.298



Deuteranomaly
80, 27.132, 231.732

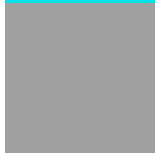


Tritanomaly
82, 43.563, 206.576

Monochromacy



Original Color
82, 44.937, 200.591



Achromatopsia
66, 0.008, 296.813



Achromatomaly
70, 25.980, 199.833

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 44.960, 200.587 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(2, 226, 232)` looks like.

```
.text, #text, p{  
    color:rgb(2, 226, 232)  
}
```

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(2, 226, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 226, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 44.960, 200.587 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(2, 226, 232) }
```

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

```
.border{ border-color:rgb(2, 226, 232) }
```

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

Here you see how a box with a 4 pixel rgb(2, 226, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 226, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 226, 232);  
box-shadow:4px 4px 4px 4px rgb(2, 226,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 44.960, 200.587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 226, 232) }
```

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

```
.background{ background-color: rgb(2, 226,  
232) }
```

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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