

Converting Colors

CIELCh(73, 40.862, 200.513)

Have a look what the booklet for
CIELCh(73, 40.862, 200.513)
contains.

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Color

CIELCh(73, 40.896, 200.328)

Conversions

Conversions Part 1

Format	Color
Hex	01C7CC
RGB	1, 199, 204
RGB Percent	0%, 78%, 80%
CMY	0.9978, 0.2199, 0.2003
CMYK	1.00, 0.02, 0.00, 0.20
HSL	181°, 99%, 40%
HSV	181°, 100%, 80%
XYZ	31.2976, 45.1644, 64.1390
YIQ	140.3680, -119.6130, -40.4210

Conversions

Conversions Part 2

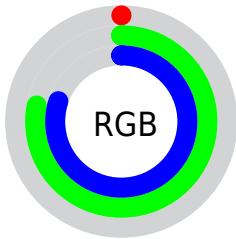
Format	Color
RYB	1, 101, 204
Decimal	116684
CIELab	73.00, -38.35, -14.21
CIELCh	73, 40.896, 200.328
Yxy	45.1644, 0.2226, 0.3212
Android (android.graphics.Color)	4278306764 (0xFF01C7CC)
YUV	140.3680, 31.3706, -122.2257
Hunter-Lab	67.2044, -34.4790, -9.5424

Details

The CIELCh color **73, 40.896, 200.328** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **43, 87.876, 40.154**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **92, 41.067, 196.910**, and **54, 31.976, 202.812** is the 20% darker color. If you saturate the color by 10%, you get **73, 40.907, 200.336**, and if you desaturate by 10%, it is **73, 40.352, 200.022**.

Distribution



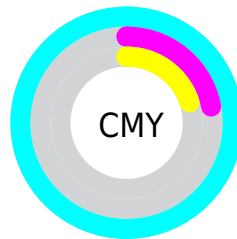
- Red (0%)
- Green (78%)
- Blue (80%)



- Red (0%)
- Yellow (40%)
- Blue (80%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (20%)





- Cyan (100%)
- Magenta (22%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 40.896, 200.328 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 73, 40.896, 200.328 by changing the saturation by 10% instead.


 73, 40.896,
200.328


 73, 40.896,
200.328


 100, 40.896,
200.328


 63, 40.896,
200.328


 93, 40.896,
200.328

 53, 40.896,
200.328

 43, 40.896,
200.328

 33, 40.896,
200.328

 23, 40.896,
200.328

 13, 40.896,
200.328

 3, 40.896, 200.328

■ 0, 40.896, 200.328

■ 73, 40.896,
200.328

■ 73, 40.896,
200.328

■ 73, 40.907,
200.336

■ 73, 40.352,
200.022

■ 74, 39.113,
199.811

■ 74, 36.995,
199.711

■ 75, 33.958,
199.719

■ 76, 30.019,
199.829

■ 77, 25.241,
200.032

■ 78, 19.716,
200.321

■ 79, 13.558,
200.686

■ 80, 6.883, 201.139

Harmonies

Complementary

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



73, 40.896, 200.328



43, 87.876, 40.154

Rectangle

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



73, 40.896, 200.328



73, 40.896, 250.328



73, 40.896, 20.328



73, 40.896, 70.328

Sweetspot

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



73, 40.895, 200.327



95, 23.792, 200.299



72, 100.851, 136.145



50, 15.949, 200.168



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



73, 40.895, 200.327



89, 48.393, 200.389



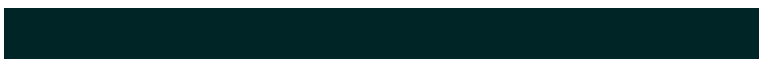
43, 63.333, 285.872



42, 4.017, 201.157



60, 35.086, 200.276



13, 13.150, 199.448

Inverse Universe

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



48, 95.729, 329.236



60, 113.321, 329.253



55, 71.515, 61.776



40, 7.414, 325.598



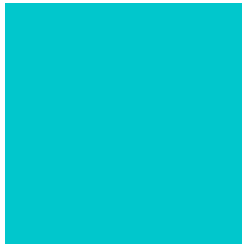
39, 82.129, 329.225



5, 28.478, 328.294

Previews

White Background



This preview shows how the CIE LCh color 73, 40.896, 200.328 looks on a white background.

Color Contrast Check

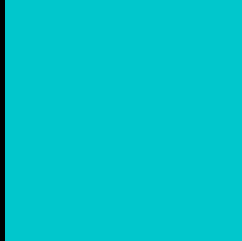
Large Text (above 18pt) WCAG AA × Fail

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 73, 40.896, 200.328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

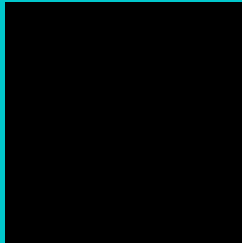
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

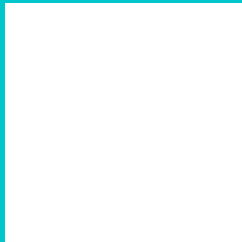
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 40.896, 200.328

Background



This preview shows how black text looks on a background with the CIELCh color 73, 40.896, 200.328.

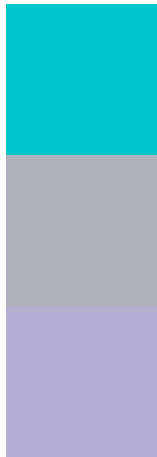


This preview shows how white text looks on a background with the CIELCh color 73, 40.896, 200.328.

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](#).

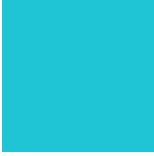
Dichromacy



Original Color
73, 40.896, 200.328

Protanopia
73, 7.074, 290.870

Deuteranopia
73, 19.755, 298.084

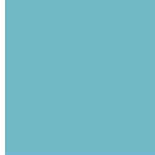


Tritanopia
73, 38.596, 209.935

Trichromacy



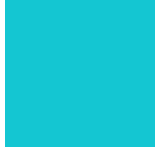
Original Color
73, 40.896, 200.328



Protanomaly
71, 23.328, 211.378



Deuteranomaly
71, 24.439, 232.331



Tritanomaly
73, 39.516, 206.252

Monochromacy



Original Color
73, 40.896, 200.328



Achromatopsia
58, 0.007, 296.813



Achromatomaly
62, 23.399, 200.184

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 40.896, 200.328 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(1, 199, 204)` looks like.

```
.text, #text, p{  
    color:rgb(1, 199, 204)  
}
```

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(1, 199, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 199, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 40.896, 200.328 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(1, 199, 204) }
```

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

```
.border{ border-color:rgb(1, 199, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 199, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(1, 199, 204); -webkit-box-shadow:4px 4px 4px 4px rgb(1, 199, 204); box-shadow:4px 4px 4px 4px rgb(1, 199, 204) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 40.896, 200.328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 199, 204) }
```

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

```
.background{ background-color: rgb(1, 199,  
204) }
```

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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