

Converting Colors

CIELCh(71, 39.937, 200.741)

Have a look what the booklet for
CIELCh(71, 39.937, 200.741)
contains.

CIELCh(71, 39.984, 200.439)	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(71, 39.984, 200.439)

Conversions

Conversions Part 1

Format	Color
Hex	00C1C6
RGB	0, 193, 198
RGB Percent	0%, 76%, 78%
CMY	1.0000, 0.2433, 0.2237
CMYK	1.00, 0.03, 0.00, 0.22
HSL	182°, 100%, 39%
HSV	182°, 100%, 78%
XYZ	29.2400, 42.1875, 59.9938
YIQ	135.8630, -116.6330, -39.3610

Conversions

Conversions Part 2

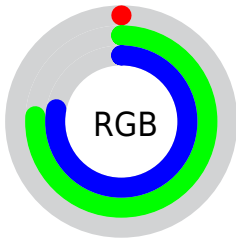
Format	Color
RYB	0, 98, 198
Decimal	49606
CIELab	71.00, -37.47, -13.96
CIELCh	71, 39.984, 200.439
Yxy	42.1875, 0.2225, 0.3210
Android (android.graphics.Color)	4278239686 (0xFF00C1C6)
YUV	135.8630, 30.6335, -119.1519
Hunter-Lab	64.9519, -33.3087, -9.2977

Details

The CIELCh color **71, 39.984, 200.439** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **41, 86.077, 40.244**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **91, 39.931, 200.738**, and **52, 31.247, 201.899** is the 20% darker color. If you saturate the color by 10%, you get **71, 39.975, 200.439**, and if you desaturate by 10%, it is **71, 39.441, 200.126**.

Distribution



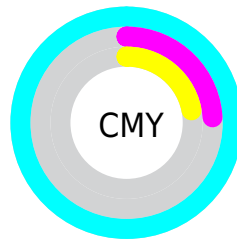
- Red (0%)
- Green (76%)
- Blue (78%)



- Red (0%)
- Yellow (38%)
- Blue (78%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (22%)





- Cyan (100%)
- Magenta (24%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 39.984, 200.439 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 71, 39.984, 200.439 by changing the saturation by 10% instead.


 71, 39.984,
200.439


 71, 39.984,
200.439


 100, 39.984,
200.439


 61, 39.984,
200.439


 91, 39.984,
200.439

 51, 39.984,
200.439

 41, 39.984,
200.439

 31, 39.984,
200.439

 21, 39.984,
200.439

 11, 39.984,
200.439

 1, 39.984, 200.439

■ 0, 39.984, 200.439

■ 71, 39.984,
200.439

■ 71, 39.984,
200.439

■ 71, 39.975,
200.439

■ 71, 39.441,
200.126

■ 72, 38.243,
199.906

■ 72, 36.189,
199.797

■ 73, 33.241,
199.798

■ 74, 29.413,
199.901

■ 74, 24.766,
200.098

■ 76, 19.391,
200.380

■ 77, 13.397,
200.741

■ 78, 6.896, 201.187

Harmonies

Complementary

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



71, 39.984, 200.439



41, 86.077, 40.244

Rectangle

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



71, 39.984, 200.439



71, 39.984, 250.439



71, 39.984, 20.439



71, 39.984, 70.439

Sweetspot

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



71, 39.975, 200.439



95, 23.776, 200.366



70, 98.684, 136.140



50, 15.938, 200.237



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 39.975, 200.439



89, 48.349, 200.503



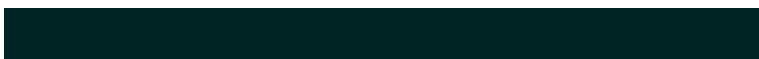
42, 61.994, 285.890



41, 3.932, 201.219



59, 34.657, 200.381



11, 12.632, 199.474

Inverse Universe

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



47, 93.625, 329.266



60, 113.261, 329.282



54, 70.044, 61.790



39, 7.257, 325.615



38, 81.155, 329.251



4, 26.174, 327.848

Previews

White Background



This preview shows how the CIELCh color 71, 39.984, 200.439 looks on a white background.

Color Contrast Check

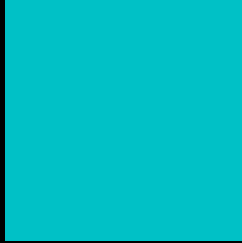
Large Text (above 18pt) WCAG AA × Fail

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 71, 39.984, 200.439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

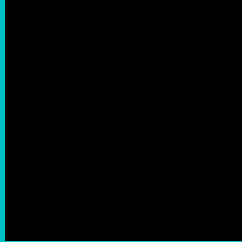
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

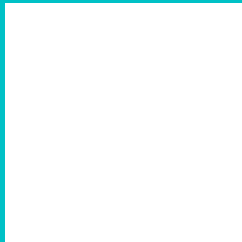
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 39.984, 200.439

Background



This preview shows how black text looks on a background with the CIELCh color 71, 39.984, 200.439.

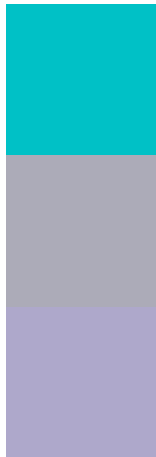


This preview shows how white text looks on a background with the CIELCh color 71, 39.984, 200.439.

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

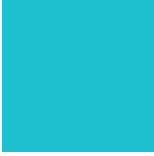
71, 39.984, 200.439

Protanopia

70, 7.133, 293.823

Deuteranopia

70, 19.337, 298.262

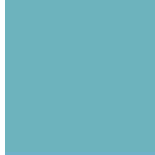


Tritanopia
71, 37.875, 209.388

Trichromacy



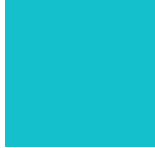
Original Color
71, 39.984, 200.439



Protanomaly
69, 22.820, 211.777



Deuteranomaly
69, 23.802, 232.007



Tritanomaly
71, 38.601, 206.546

Monochromacy



Original Color
71, 39.984, 200.439



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 22.877, 200.269

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 39.984, 200.439 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, 193, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 198)  
}
```

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, 193, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 39.984, 200.439 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, 193, 198) }
```

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

```
.border{ border-color:rgb(0, 193, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 193, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 39.984, 200.439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 198) }
```

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

```
.background{ background-color: rgb(0, 193,  
198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor