

Converting Colors

CIELCh(69, 51.771, 196.765)

Have a look what the booklet for
CIELCh(69, 51.771, 196.765)
contains.

CIELCh(71, 40.199, 198.000)	3
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Color

CIELCh(71, 40.199, 198.000)

Conversions

Conversions Part 1

Format	Color
Hex	06C1C3
RGB	6, 193, 195
RGB Percent	2%, 76%, 76%
CMY	0.9762, 0.2426, 0.2348
CMYK	0.97, 0.01, 0.00, 0.23
HSL	181°, 94%, 39%
HSV	181°, 97%, 77%
XYZ	29.0417, 42.1875, 58.3185
YIQ	137.3150, -112.0940, -39.0220

Conversions

Conversions Part 2

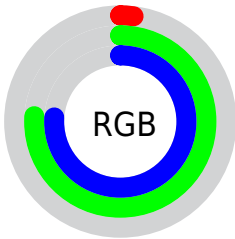
Format	Color
RYB	6, 100, 195
Decimal	442819
CIELab	71.00, -38.23, -12.42
CIELCh	71, 40.199, 198.000
Yxy	42.1875, 0.2242, 0.3257
Android (android.graphics.Color)	4278632899 (0xFF06C1C3)
YUV	137.3150, 28.4387, -115.1633
Hunter-Lab	64.9519, -33.8537, -7.7685

Details

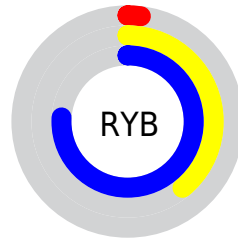
The CIELCh color **71, 40.199, 198.000** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **41, 83.596, 39.248**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **91, 40.132, 197.683**, and **52, 31.615, 198.564** is the 20% darker color. If you saturate the color by 10%, you get **71, 40.362, 198.031**, and if you desaturate by 10%, it is **71, 39.449, 197.917**.

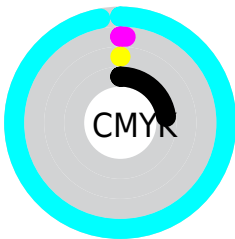
Distribution



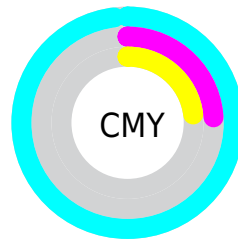
- Red (2%)
- Green (76%)
- Blue (76%)



- Red (2%)
- Yellow (39%)
- Blue (76%)



- Cyan (97%)
- Magenta (1%)
- Yellow (0%)
- Black (23%)





- Cyan (98%)
- Magenta (24%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 40.199, 198.000 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, 40.199, 198.000 by changing the saturation by 10% instead.


 71, 40.199,
198.000


 71, 40.199,
198.000


 100, 40.199,
198.000


 61, 40.199,
198.000


 91, 40.199,
198.000

 51, 40.199,
198.000

 41, 40.199,
198.000

 31, 40.199,
198.000

 21, 40.199,
198.000

 11, 40.199,
198.000

 1, 40.199, 198.000

0, 40.199, 198.000

71, 40.199,
198.000

71, 40.199,
198.000

71, 40.362,
198.031

71, 39.449,
197.917

71, 37.935,
197.909

72, 35.557,
197.982

72, 32.292,
198.137

73, 28.169,
198.372

74, 23.256,
198.682

■ 75, 17.650,
199.060

■ 76, 11.460,
199.506

■ 78, 4.801, 200.050

Harmonies

Complementary

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



71, 40.199, 198.000



41, 83.596, 39.248

Rectangle

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



71, 40.199, 198.000



71, 40.199, 248.000



71, 40.199, 18.000



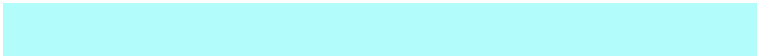
71, 40.199, 68.000

Sweetspot

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



71, 40.198, 197.999



94, 23.240, 198.957



69, 97.206, 136.131



50, 15.799, 198.791



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, 40.198, 197.999



90, 48.981, 198.057



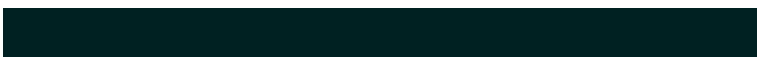
43, 57.389, 282.916



40, 3.907, 199.898



59, 34.953, 198.007



10, 12.296, 197.637

Inverse Universe

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



46, 93.143, 328.622



60, 113.734, 328.661



53, 68.258, 61.189



38, 7.175, 325.211



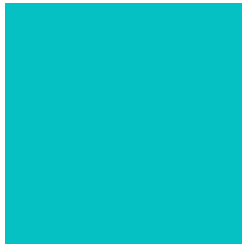
38, 81.144, 328.649



4, 23.982, 326.698

Previews

White Background



This preview shows how the CIE LCh color 71, 40.199, 198.000 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, 40.199, 198.000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

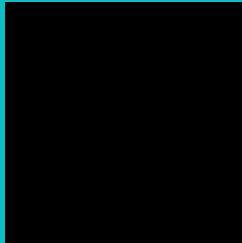
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

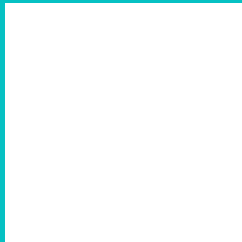
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 40.199, 198.000

Background



This preview shows how black text looks on a background with the CIELCh color 71, 40.199, 198.000.

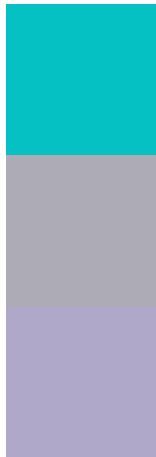


This preview shows how white text looks on a background with the CIELCh color 71, 40.199, 198.000.

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

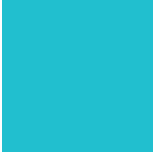
71, 40.176, 198.011

Protanopia

70, 6.079, 297.721

Deuteranopia

70, 18.351, 300.752



Tritanopia
71, 37.486, 210.435

Trichromacy



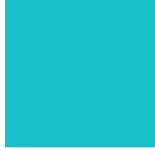
Original Color
71, 40.176, 198.011



Protanomaly
69, 21.978, 209.385



Deuteranomaly
69, 22.713, 230.511



Tritanomaly
71, 38.468, 205.740

Monochromacy



Original Color
71, 40.176, 198.011



Achromatopsia
57, 0.007, 296.813



Achromatomaly
61, 22.437, 198.897

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 40.199, 198.000 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(6, 193, 195)` looks like.

```
.text, #text, p{  
    color:rgb(6, 193, 195)  
}
```

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(6, 193, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 193, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 40.199, 198.000 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(6, 193, 195) }
```

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

```
.border{ border-color:rgb(6, 193, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 193, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 193, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 193, 195);  
box-shadow:4px 4px 4px 4px rgb(6, 193,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 40.199, 198.000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 193, 195) }
```

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

```
.background{ background-color: rgb(6, 193,  
195) }
```

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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