

Converting Colors

CIELCh(71, 40.452, 196.388)

Have a look what the booklet for
CIELCh(71, 40.452, 196.388)
contains.

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Color

CIELCh(71, 40.397, 196.403)

Conversions

Conversions Part 1

Format	Color
Hex	0AC1C1
RGB	10, 193, 193
RGB Percent	4%, 76%, 76%
CMY	0.9626, 0.2420, 0.2421
CMYK	0.95, 0.00, 0.00, 0.24
HSL	180°, 91%, 40%
HSV	180°, 95%, 76%
XYZ	28.9071, 42.1875, 57.2326
YIQ	138.2830, -109.0680, -38.7960

Conversions

Conversions Part 2

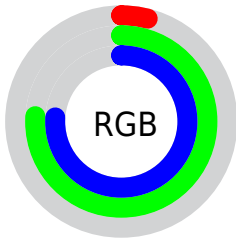
Format	Color
RYB	10, 102, 193
Decimal	704961
CIELab	71.00, -38.75, -11.41
CIELCh	71, 40.397, 196.403
Yxy	42.1875, 0.2253, 0.3287
Android (android.graphics.Color)	4278895041 (0xFF0AC1C1)
YUV	138.2830, 26.9755, -112.5042
Hunter-Lab	64.9519, -34.2237, -6.7773

Details

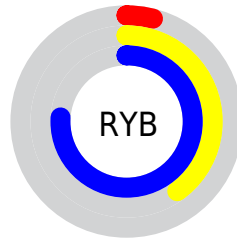
The CIELCh color **71, 40.397, 196.403** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **41, 82.165, 38.673**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **91, 40.356, 196.166**, and **52, 31.758, 197.470** is the 20% darker color. If you saturate the color by 10%, you get **71, 40.685, 196.381**, and if you desaturate by 10%, it is **71, 39.476, 196.467**.

Distribution



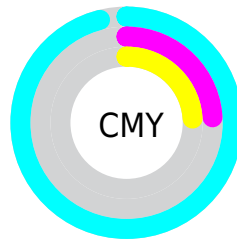
- Red (4%)
- Green (76%)
- Blue (76%)



- Red (4%)
- Yellow (40%)
- Blue (76%)



- Cyan (95%)
- Magenta (0%)
- Yellow (0%)
- Black (24%)





- Cyan (96%)
- Magenta (24%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 40.397, 196.403 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, 40.397, 196.403 by changing the saturation by 10% instead.


 71, 40.397,
196.403


 71, 40.397,
196.403


 100, 40.397,
196.403


 61, 40.397,
196.403


 91, 40.397,
196.403

 51, 40.397,
196.403

 41, 40.397,
196.403

 31, 40.397,
196.403

 21, 40.397,
196.403

 11, 40.397,
196.403

 1, 40.397, 196.403

■ 0, 40.397, 196.403

■ 71, 40.397,
196.403

■ 71, 40.397,
196.403

■ 71, 40.685,
196.381

■ 71, 39.476,
196.467

■ 71, 37.765,
196.589

■ 72, 35.189,
196.773

■ 72, 31.733,
197.023

■ 73, 27.433,
197.338

■ 74, 22.362,
197.716

■ 75, 16.618,
198.155

■ 76, 10.312,
198.655

■ 77, 3.557, 199.276

Harmonies

Complementary

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



71, 40.397, 196.403



41, 82.165, 38.673

Rectangle

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



71, 40.397, 196.403



71, 40.397, 246.403



71, 40.397, 16.403



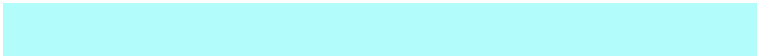
71, 40.397, 66.403

Sweetspot

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



71, 40.396, 196.402



95, 23.499, 197.955



68, 96.001, 136.133



50, 15.976, 197.768



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, 40.396, 196.402



90, 49.736, 196.381



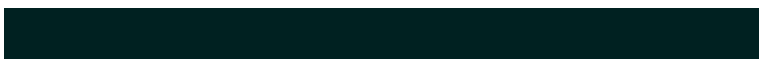
44, 54.081, 280.342



40, 3.949, 198.978



60, 35.476, 196.381



11, 12.444, 196.389

Inverse Universe

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



41, 82.165, 38.673



53, 103.780, 39.999



52, 67.332, 60.303



38, 4.187, 19.918



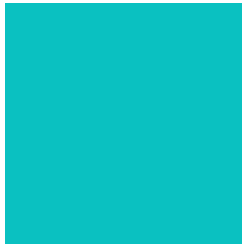
33, 73.726, 39.722



3, 13.999, 19.403

Previews

White Background



This preview shows how the CIELCh color 71, 40.397, 196.403 looks on a white background.

Color Contrast Check

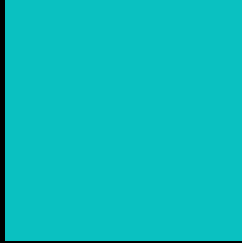
Large Text (above 18pt) WCAG AA × Fail

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, 40.397, 196.403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

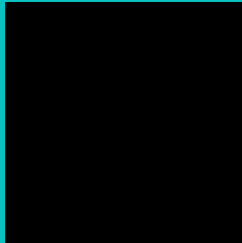
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

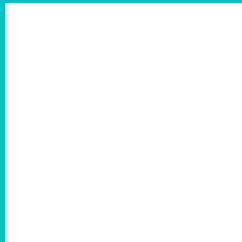
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 40.397, 196.403

Background



This preview shows how black text looks on a background with the CIELCh color 71, 40.397, 196.403.

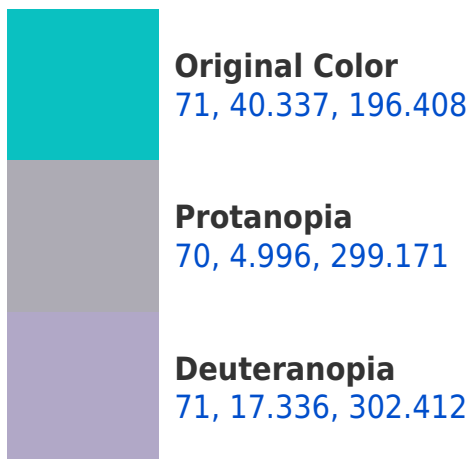


This preview shows how white text looks on a background with the CIELCh color 71, 40.397, 196.403.

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



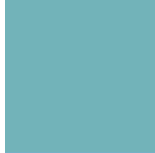


Tritanopia
71, 37.266, 210.531

Trichromacy



Original Color
71, 40.337, 196.408



Protanomaly
69, 21.418, 206.690



Deuteranomaly
69, 21.844, 228.537

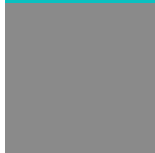


Tritanomaly
71, 38.369, 204.922

Monochromacy



Original Color
71, 40.337, 196.408



Achromatopsia
57, 0.007, 296.813



Achromatomaly
61, 22.262, 197.459

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 40.397, 196.403 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(10, 193, 193)` looks like.

```
.text, #text, p{  
    color:rgb(10, 193, 193)  
}
```

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(10, 193, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 193, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 40.397, 196.403 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(10, 193, 193) }
```

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

```
.border{ border-color:rgb(10, 193, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 193, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 193, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 193, 193);  
box-shadow:4px 4px 4px 4px rgb(10, 193,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 40.397, 196.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 193, 193) }
```

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

```
.background{ background-color: rgb(10, 193,  
193) }
```

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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