

Converting Colors

CIELCh(74, 41.895, 196.391)

Have a look what the booklet for
CIELCh(74, 41.895, 196.391)
contains.

CIELCh(74, 41.849, 196.400)	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(74, 41.849, 196.400)

Conversions

Conversions Part 1

Format	Color
Hex	09CACA
RGB	9, 202, 202
RGB Percent	4%, 79%, 79%
CMY	0.9663, 0.2067, 0.2068
CMYK	0.96, 0.00, 0.00, 0.21
HSL	180°, 92%, 41%
HSV	180°, 96%, 79%
XYZ	31.9860, 46.7039, 63.3763
YIQ	144.2930, -115.0280, -40.9160

Conversions

Conversions Part 2

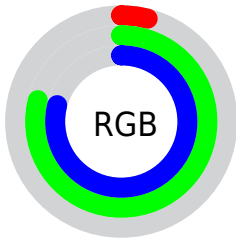
Format	Color
RYB	9, 106, 202
Decimal	641738
CIELab	74.00, -40.15, -11.82
CIELCh	74, 41.849, 196.400
Yxy	46.7039, 0.2251, 0.3287
Android (android.graphics.Color)	4278831818 (0xFF09CACA)
YUV	144.2930, 28.4496, -118.6520
Hunter-Lab	68.3403, -36.0503, -7.1452

Details

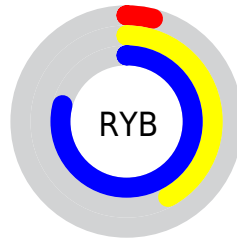
The CIELCh color **74, 41.849, 196.400** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **42, 85.495, 38.901**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.894, 196.920**, and **55, 33.087, 197.416** is the 20% darker color. If you saturate the color by 10%, you get **74, 42.092, 196.382**, and if you desaturate by 10%, it is **74, 40.963, 196.460**.

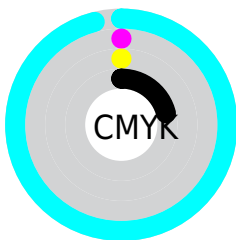
Distribution



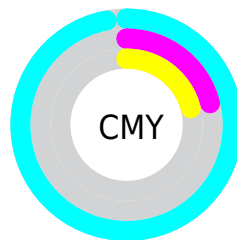
- Red (4%)
- Green (79%)
- Blue (79%)



- Red (4%)
- Yellow (42%)
- Blue (79%)



- Cyan (96%)
- Magenta (0%)
- Yellow (0%)
- Black (21%)



- Cyan (97%)
- Magenta (21%)
- Yellow (21%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 41.849, 196.400 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 74, 41.849, 196.400 by changing the saturation by 10% instead.


 74, 41.849,
196.400

 74, 41.849,
196.400

 100, 41.849,
196.400


 64, 41.849,
196.400

 94, 41.849,
196.400

 54, 41.849,
196.400

 44, 41.849,
196.400

 34, 41.849,
196.400

 24, 41.849,
196.400

 14, 41.849,
196.400

 4, 41.849, 196.400

■ 0, 41.849, 196.400

■ 74, 41.849,
196.400

■ 74, 41.849,
196.400

■ 74, 42.092,
196.382

■ 74, 40.963,
196.460

■ 74, 39.268,
196.576

■ 75, 36.677,
196.755

■ 75, 33.169,
197.000

■ 76, 28.778,
197.310

■ 77, 23.577,
197.685

■ 78, 17.666,
198.120

■ 79, 11.162,
198.616

■ 81, 4.182, 199.221

Harmonies

Complementary

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



74, 41.849, 196.400



42, 85.495, 38.901

Rectangle

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



74, 41.849, 196.400



74, 41.849, 246.400



74, 41.849, 16.400



74, 41.849, 66.400

Sweetspot

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



74, 41.848, 196.399



95, 23.690, 197.954



71, 99.546, 136.105



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.



74, 41.848, 196.399



91, 50.116, 196.382



46, 56.511, 280.794



42, 4.119, 198.975



62, 36.302, 196.382



13, 13.514, 196.383

Inverse Universe

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



42, 85.495, 38.901



53, 104.574, 39.999



54, 70.108, 60.038



40, 4.369, 19.923



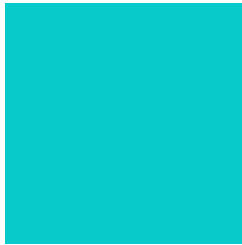
34, 75.553, 39.822



4, 17.910, 19.404

Previews

White Background



This preview shows how the CIELCh color 74, 41.849, 196.400 looks on a white background.

Color Contrast Check

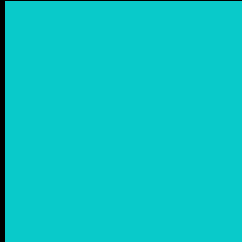
Large Text (above 18pt) WCAG AA × Fail

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 74, 41.849, 196.400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

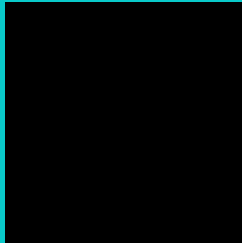
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

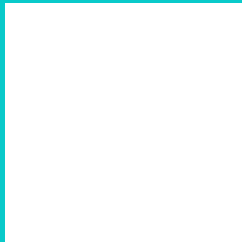
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 74, 41.849, 196.400

Background



This preview shows how black text looks on a background with the CIELCh color 74, 41.849, 196.400.

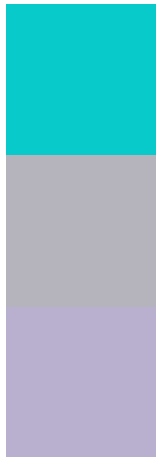


This preview shows how white text looks on a background with the CIELCh color 74, 41.849, 196.400.

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

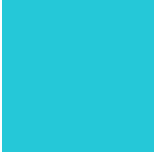
74, 41.792, 196.404

Protanopia

73, 4.954, 299.158

Deuteranopia

73, 17.724, 302.076

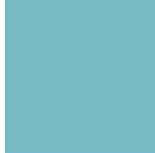


Tritanopia
74, 38.672, 209.890

Trichromacy



Original Color
74, 41.792, 196.404



Protanomaly
72, 22.475, 206.169



Deuteranomaly
72, 22.742, 226.894

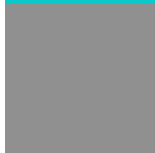


Tritanomaly
74, 39.778, 204.548

Monochromacy



Original Color
74, 41.792, 196.404



Achromatopsia
60, 0.008, 296.813



Achromatomaly
63, 23.056, 197.453

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 41.849, 196.400 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(9, 202, 202)` looks like.

```
.text, #text, p{  
    color:rgb(9, 202, 202)  
}
```

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(9, 202, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 202, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 41.849, 196.400 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(9, 202, 202) }
```

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

```
.border{ border-color:rgb(9, 202, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 202, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 202, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 202, 202);  
box-shadow:4px 4px 4px 4px rgb(9, 202,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 41.849, 196.400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 202, 202) }
```

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

```
.background{ background-color: rgb(9, 202,  
202) }
```

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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