

Converting Colors

CIELCh(74, 41.783, 196.398)

Have a look what the booklet for
CIELCh(74, 41.783, 196.398)
contains.

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Color

CIELCh(74, 41.735, 196.408)

Conversions

Conversions Part 1

Format	Color
Hex	0CCACA
RGB	12, 202, 202
RGB Percent	5%, 79%, 79%
CMY	0.9520, 0.2069, 0.2069
CMYK	0.94, 0.00, 0.00, 0.21
HSL	180°, 89%, 42%
HSV	180°, 94%, 79%
XYZ	32.0166, 46.7039, 63.3460
YIQ	145.1900, -113.2400, -40.2800

Conversions

Conversions Part 2

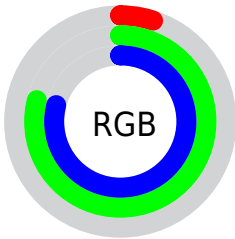
Format	Color
RYB	12, 107, 202
Decimal	838346
CIELab	74.00, -40.04, -11.79
CIELCh	74, 41.735, 196.408
Yxy	46.7039, 0.2254, 0.3287
Android (android.graphics.Color)	4279028426 (0xFF0CCACA)
YUV	145.1900, 28.0073, -116.8076
Hunter-Lab	68.3403, -35.9703, -7.1189

Details

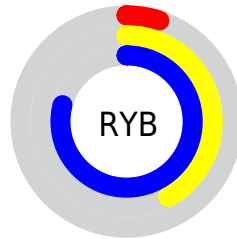
The CIELCh color **74, 41.735, 196.408** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **43, 84.552, 38.470**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.719, 196.930**, and **55, 33.087, 197.416** is the 20% darker color. If you saturate the color by 10%, you get **74, 42.084, 196.383**, and if you desaturate by 10%, it is **74, 40.715, 196.477**.

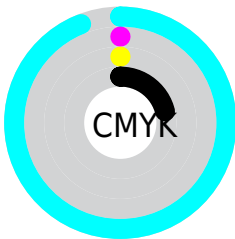
Distribution



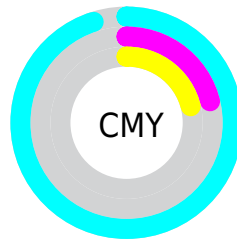
- Red (5%)
- Green (79%)
- Blue (79%)



- Red (5%)
- Yellow (42%)
- Blue (79%)



- Cyan (94%)
- Magenta (0%)
- Yellow (0%)
- Black (21%)



- Cyan (95%)
- Magenta (21%)
- Yellow (21%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 41.735, 196.408 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, 41.735, 196.408 by changing the saturation by 10% instead.

 74, 41.735,
196.408

 74, 41.735,
196.408

 100, 41.735,
196.408

 64, 41.735,
196.408


 94, 41.735,
196.408

 54, 41.735,
196.408

 44, 41.735,
196.408

 34, 41.735,
196.408

 24, 41.735,
196.408

 14, 41.735,
196.408

 4, 41.735, 196.408

■ 0, 41.735, 196.408

■ 74, 41.735,
196.408

■ 74, 41.735,
196.408

■ 74, 42.084,
196.383

■ 74, 40.715,
196.477

■ 74, 38.863,
196.604

■ 75, 36.108,
196.794

■ 75, 32.439,
197.051

■ 76, 27.897,
197.373

■ 77, 22.561,
197.759

■ 78, 16.536,
198.205

■ 79, 9.939, 198.713

■ 81, 2.887, 199.378

Harmonies

Complementary

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



74, 41.735, 196.408



43, 84.552, 38.470

Rectangle

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



74, 41.735, 196.408



74, 41.735, 246.408



74, 41.735, 16.408



74, 41.735, 66.408

Sweetspot

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



74, 41.734, 196.407



96, 22.961, 198.000



71, 99.095, 136.159



50, 15.581, 197.809



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, 41.734, 196.407



91, 50.116, 196.383



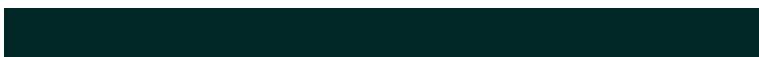
46, 55.466, 279.956



42, 4.119, 198.975



62, 36.302, 196.383



13, 13.514, 196.384

Inverse Universe

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



43, 84.552, 38.470



53, 104.575, 40.000



55, 69.251, 60.525



40, 4.369, 19.923



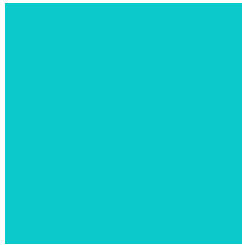
34, 75.553, 39.822



4, 17.910, 19.404

Previews

White Background



This preview shows how the CIELCh color 74, 41.735, 196.408 looks on a white background.

Color Contrast Check

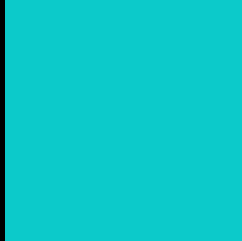
Large Text (above 18pt) WCAG AA × Fail

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, 41.735, 196.408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

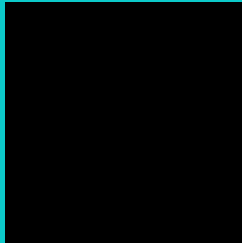
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

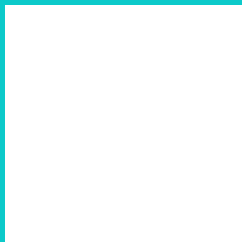
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 74, 41.735, 196.408

Background



This preview shows how black text looks on a background with the CIELCh color 74, 41.735, 196.408.

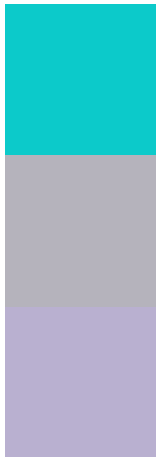


This preview shows how white text looks on a background with the CIELCh color 74, 41.735, 196.408.

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

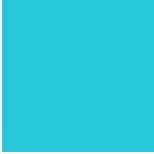
74, 41.704, 196.410

Protanopia

73, 4.954, 299.158

Deuteranopia

73, 17.724, 302.076

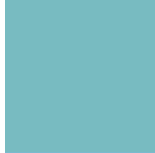


Tritanopia
74, 38.598, 209.921

Trichromacy



Original Color
74, 41.704, 196.410



Protanomaly
72, 21.937, 206.415



Deuteranomaly
72, 22.511, 227.233

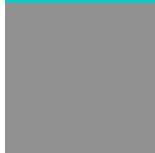


Tritanomaly
74, 39.661, 204.579

Monochromacy



Original Color
74, 41.704, 196.410



Achromatopsia
60, 0.008, 296.813



Achromatomaly
64, 22.791, 197.483

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 41.735, 196.408 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(12, 202, 202)` looks like.

```
.text, #text, p{  
    color:rgb(12, 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(12, 202, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 202, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 41.735, 196.408 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(12, 202, 202) }
```

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

```
.border{ border-color:rgb(12, 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(12, 202, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 202, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 202, 202);  
box-shadow:4px 4px 4px 4px rgb(12, 202,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 41.735, 196.408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 202, 202) }
```

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

```
.background{ background-color: rgb(12, 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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