

Converting Colors

CIELCh(74, 41.714, 199.137)

Have a look what the booklet for
CIELCh(74, 41.714, 199.137)
contains.

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Color

CIELCh(74, 41.510, 199.482)

Conversions

Conversions Part 1	
Format	Color
Hex	00CACE
RGB	0, 202, 206
RGB Percent	0%, 79%, 81%
CMY	0.9995, 0.2078, 0.1921
CMYK	1.00, 0.02, 0.00, 0.19
HSL	181°, 100%, 40%
HSV	181°, 100%, 81%
XYZ	32.2663, 46.7039, 65.7139
YIQ	142.0580, -121.6760, -41.5800

Conversions

Conversions Part 2

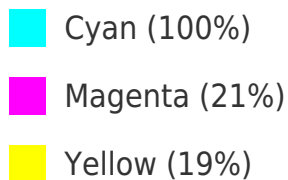
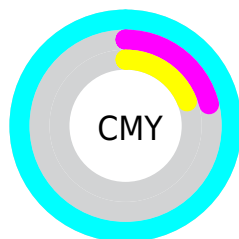
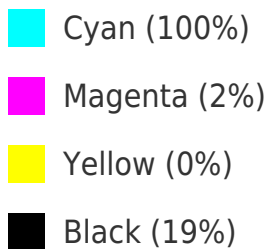
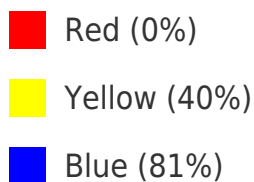
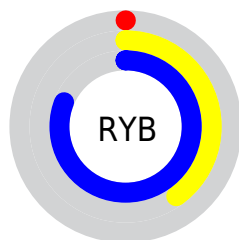
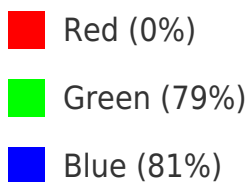
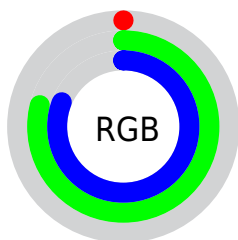
Format	Color
RYB	0, 102, 206
Decimal	51918
CIELab	74.00, -39.13, -13.84
CIELCh	74, 41.510, 199.482
Yxy	46.7039, 0.2230, 0.3228
Android (android.graphics.Color)	4278241998 (0xFF00CACE)
YUV	142.0580, 31.5234, -124.5849
Hunter-Lab	68.3403, -35.3182, -9.1732

Details

The CIELCh color **74, 41.510, 199.482** 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, 88.747, 40.161**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.894, 196.920**, and **55, 32.576, 201.620** is the 20% darker color. If you saturate the color by 10%, you get **74, 41.512, 199.482**, and if you desaturate by 10%, it is **74, 40.951, 199.252**.


Distribution



Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 41.510, 199.482 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, 41.510, 199.482 by changing the saturation by 10% instead.


 74, 41.510,
199.482


 74, 41.510,
199.482


 100, 41.510,
199.482


 64, 41.510,
199.482


 94, 41.510,
199.482

 54, 41.510,
199.482

 44, 41.510,
199.482

 34, 41.510,
199.482

 24, 41.510,
199.482

 14, 41.510,
199.482

 4, 41.510, 199.482

■ 0, 41.510, 199.482

■ 74, 41.510,
199.482

■ 74, 41.510,
199.482

■ 74, 41.512,
199.482

■ 74, 40.951,
199.252

■ 75, 39.700,
199.105

■ 75, 37.564,
199.058

■ 76, 34.500,
199.110

■ 76, 30.523,
199.256

■ 77, 25.695,
199.489

■ 78, 20.109,
199.802

■ 80, 13.878,
200.190

■ 81, 7.122, 200.660

Harmonies

Complementary

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



74, 41.510, 199.482



43, 88.747, 40.161

Rectangle

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



74, 41.510, 199.482



74, 41.510, 249.482



74, 41.510, 19.482



74, 41.510, 69.482

Sweetspot

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



74, 41.509, 199.481



95, 23.919, 199.787



72, 101.679, 136.136



50, 16.034, 199.645



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, 41.509, 199.481



90, 48.738, 199.522



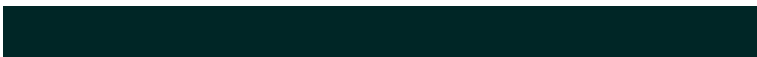
44, 64.003, 285.989



42, 4.038, 200.690



61, 35.330, 199.434



13, 13.224, 198.790

Inverse Universe

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



49, 96.895, 329.023



60, 113.790, 329.034



56, 72.174, 61.699



40, 7.440, 325.457



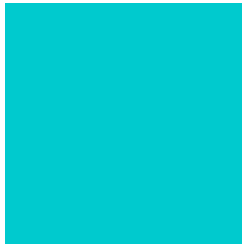
39, 82.459, 329.012



5, 28.596, 328.123

Previews

White Background



This preview shows how the CIE LCh color 74, 41.510, 199.482 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, 41.510, 199.482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

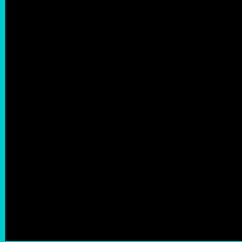
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

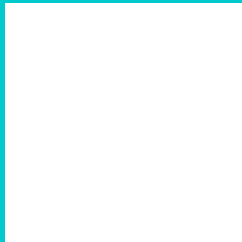
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 74, 41.510, 199.482

Background



This preview shows how black text looks on a background with the CIELCh color 74, 41.510, 199.482.

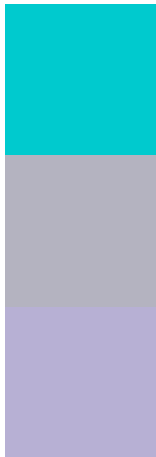


This preview shows how white text looks on a background with the CIELCh color 74, 41.510, 199.482.

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](#).

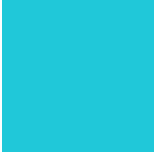
Dichromacy



Original Color
74, 41.510, 199.482

Protanopia
73, 7.074, 293.798

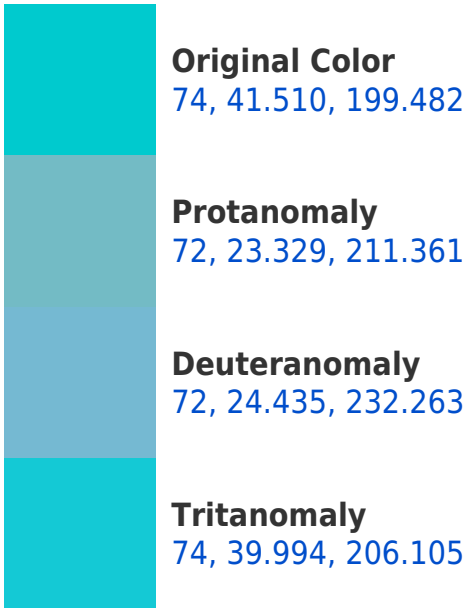
Deuteranopia
73, 19.756, 299.073



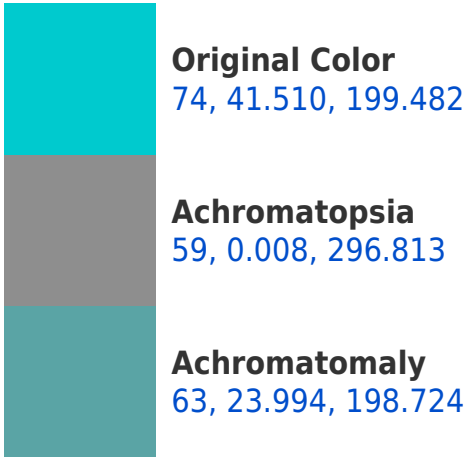
Tritanopia

74, 38.996, 210.603

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 41.510, 199.482 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, 202, 206)` looks like.

```
.text, #text, p{  
    color:rgb(0, 202, 206)  
}
```

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, 202, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 202, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 41.510, 199.482 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, 202, 206) }
```

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

```
.border{ border-color:rgb(0, 202, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 202, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 202, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 202, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 202,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 41.510, 199.482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 202, 206) }
```

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

```
.background{ background-color: rgb(0, 202,  
206) }
```

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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