

Converting Colors

CIELCh(74, 52.656, 171.427)

Have a look what the booklet for
CIELCh(74, 52.656, 171.427)
contains.

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Color

CIELCh(74, 52.638, 171.293)

Conversions

Conversions Part 1

Format	Color
Hex	00CEA6
RGB	0, 206, 166
RGB Percent	0%, 81%, 65%
CMY	1.0000, 0.1935, 0.3503
CMYK	1.00, 0.00, 0.19, 0.19
HSL	168°, 100%, 40%
HSV	168°, 100%, 81%
XYZ	28.8176, 46.7039, 43.4139
YIQ	139.8460, -109.9360, -56.1120

Conversions

Conversions Part 2

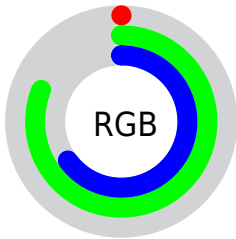
Format	Color
RYB	0, 114, 206
Decimal	52902
CIELab	74.00, -52.03, 7.97
CIElCh	74, 52.638, 171.293
Yxy	46.7039, 0.2423, 0.3927
Android (android.graphics.Color)	4278242982 (0xFF00CEA6)
YUV	139.8460, 12.8939, -122.6449
Hunter-Lab	68.3403, -44.3261, 10.1736

Details

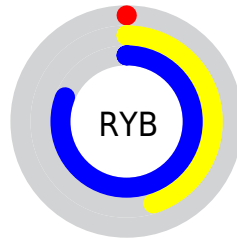
The CIELCh color **74, 52.638, 171.293** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **43, 79.619, 30.296**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **92, 48.467, 175.004**, and **55, 43.831, 167.342** is the 20% darker color. If you saturate the color by 10%, you get **74, 52.586, 171.271**, and if you desaturate by 10%, it is **74, 50.598, 173.052**.

Distribution



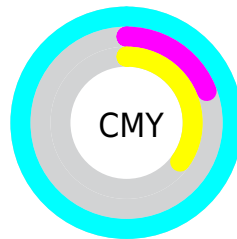
- Red (0%)
- Green (81%)
- Blue (65%)



- Red (0%)
- Yellow (45%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (19%)





- Cyan (100%)
- Magenta (19%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 52.638, 171.293 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, 52.638, 171.293 by changing the saturation by 10% instead.


 74, 52.638,
171.293

 74, 52.638,
171.293


 100, 52.638,
171.293


 64, 52.638,
171.293


 94, 52.638,
171.293

 54, 52.638,
171.293

 44, 52.638,
171.293

 34, 52.638,
171.293

 24, 52.638,
171.293

 14, 52.638,
171.293

 4, 52.638, 171.293

■ 0, 52.638, 171.293

■ 74, 52.638,
171.293

■ 74, 52.638,
171.293

■ 74, 52.586,
171.271

■ 74, 50.598,
173.052

■ 75, 47.938,
174.701

■ 75, 44.421,
176.186

■ 76, 40.027,
177.528

■ 76, 34.801,
178.748

■ 77, 28.832,
179.871

■ 78, 22.239,
180.916

■ 80, 15.151,
181.903

■ 81, 7.698, 182.861

Harmonies

Complementary

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



74, 52.638, 171.293



43, 79.619, 30.296

Rectangle

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



74, 52.638, 171.293



74, 52.638, 221.293



74, 52.638, 351.293



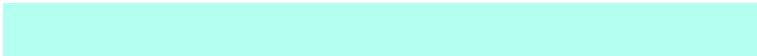
74, 52.638, 41.293

Sweetspot

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



74, 52.586, 171.271



95, 26.455, 180.878



73, 100.089, 134.720



50, 17.847, 180.439



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, 52.586, 171.271



90, 62.034, 171.021



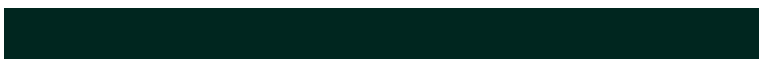
56, 41.783, 256.519



42, 4.341, 182.920



61, 44.626, 171.575



13, 15.805, 175.878

Inverse Universe

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



43, 79.619, 30.296



53, 94.263, 31.025



48, 80.615, 47.187



40, 4.508, 4.483



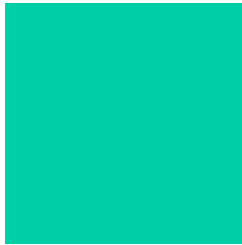
34, 67.277, 29.387



4, 18.199, 9.922

Previews

White Background



This preview shows how the CIELCh color 74, 52.638, 171.293 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 CIE LCh color 74, 52.638, 171.293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

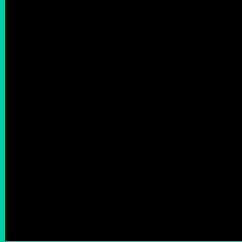
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

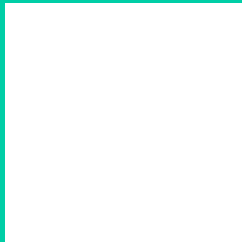
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 74, 52.638, 171.293

Background



This preview shows how black text looks on a background with the CIELCh color 74, 52.638, 171.293.

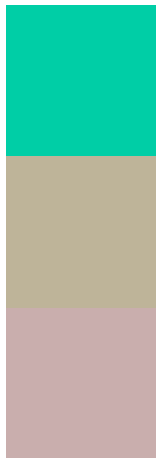


This preview shows how white text looks on a background with the CIELCh color 74, 52.638, 171.293.

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

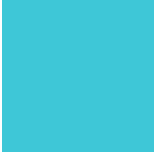
74, 52.638, 171.293

Protanopia

73, 15.091, 93.484

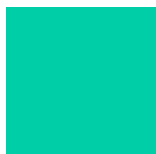
Deuteranopia

73, 10.424, 23.199

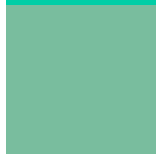


Tritanopia
74, 36.022, 211.046

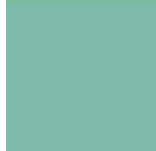
Trichromacy



Original Color
74, 52.638, 171.293



Protanomaly
72, 29.795, 162.584

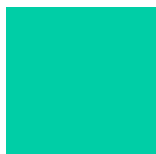


Deuteranomaly
71, 22.397, 174.615

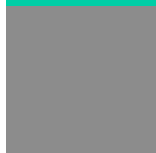


Tritanomaly
74, 40.615, 193.355

Monochromacy



Original Color
74, 52.638, 171.293



Achromatopsia
58, 0.007, 296.813



Achromatomaly
62, 27.071, 178.860

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 52.638, 171.293 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, 206, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 206, 166)  
}
```

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, 206, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 206, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 52.638, 171.293 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, 206, 166) }
```

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

```
.border{ border-color:rgb(0, 206, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 206, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 206, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 206, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 206,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 52.638, 171.293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 206, 166) }
```

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

```
.background{ background-color: rgb(0, 206,  
166) }
```

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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