

Converting Colors

CIELCh(70, 58.793, 175.633)

Have a look what the booklet for
CIELCh(70, 58.793, 175.633)
contains.

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Color

CIELCh(71, 50.136, 172.545)

Conversions

Conversions Part 1

Format	Color
Hex	00C4A0
RGB	0, 196, 160
RGB Percent	0%, 77%, 63%
CMY	1.0000, 0.2298, 0.3709
CMYK	1.00, 0.00, 0.18, 0.23
HSL	169°, 100%, 39%
HSV	169°, 100%, 77%
XYZ	26.1717, 42.1875, 40.2143
YIQ	133.2920, -105.2600, -52.7480

Conversions

Conversions Part 2

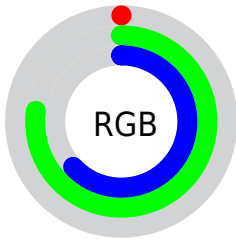
Format	Color
RYB	0, 108, 196
Decimal	50336
CIELab	71.00, -49.71, 6.51
CIElCh	71, 50.136, 172.545
Yxy	42.1875, 0.2411, 0.3886
Android (android.graphics.Color)	4278240416 (0xFF00C4A0)
YUV	133.2920, 13.1670, -116.8971
Hunter-Lab	64.9519, -41.7411, 8.7576

Details

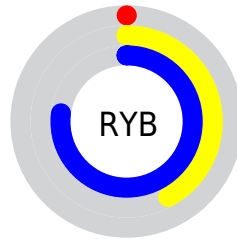
The CIELCh color **71, 50.136, 172.545** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **41, 77.375, 30.935**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **91, 50.054, 172.400**, and **52, 41.148, 168.668** is the 20% darker color. If you saturate the color by 10%, you get **71, 50.043, 172.507**, and if you desaturate by 10%, it is **71, 48.197, 174.219**.

Distribution



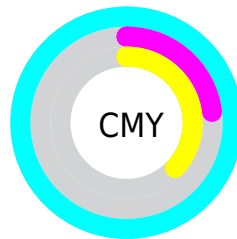
- Red (0%)
- Green (77%)
- Blue (63%)



- Red (0%)
- Yellow (42%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (23%)





- Cyan (100%)
- Magenta (23%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 50.136, 172.545 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, 50.136, 172.545 by changing the saturation by 10% instead.


 71, 50.136,
172.545


 71, 50.136,
172.545


 100, 50.136,
172.545


 61, 50.136,
172.545


 91, 50.136,
172.545

 51, 50.136,
172.545

 41, 50.136,
172.545

 31, 50.136,
172.545

 21, 50.136,
172.545

 11, 50.136,
172.545

 1, 50.136, 172.545

■ 0, 50.136, 172.545

■ 71, 50.136,
172.545

■ 71, 50.136,
172.545

■ 71, 50.043,
172.507

■ 71, 48.197,
174.219

■ 71, 45.708,
175.807

■ 72, 42.392,
177.239

■ 72, 38.230,
178.535

■ 73, 33.263,
179.718

■ 74, 27.578,
180.810

■ 75, 21.286,
181.830

■ 76, 14.512,
182.798

■ 78, 7.378, 183.741

Harmonies

Complementary

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



71, 50.136, 172.545



41, 77.375, 30.935

Rectangle

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



71, 50.136, 172.545



71, 50.136, 222.545



71, 50.136, 352.545



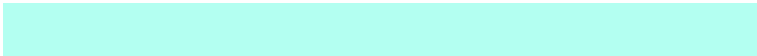
71, 50.136, 42.545

Sweetspot

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



71, 50.043, 172.507



95, 26.282, 181.784



69, 96.900, 134.879



50, 17.724, 181.354



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, 50.043, 172.507



90, 61.135, 172.206



53, 41.438, 259.398



41, 4.231, 183.800



60, 43.487, 172.766



12, 14.971, 177.209

Inverse Universe

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



41, 77.375, 30.935



53, 94.987, 31.824



46, 77.099, 48.107



39, 4.398, 5.340



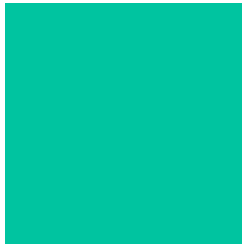
34, 66.959, 30.144



3, 16.137, 10.002

Previews

White Background



This preview shows how the CIE LCh color 71, 50.136, 172.545 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 71, 50.136, 172.545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

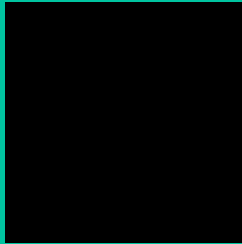
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 50.136, 172.545

Background



This preview shows how black text looks on a background with the CIELCh color 71, 50.136, 172.545.

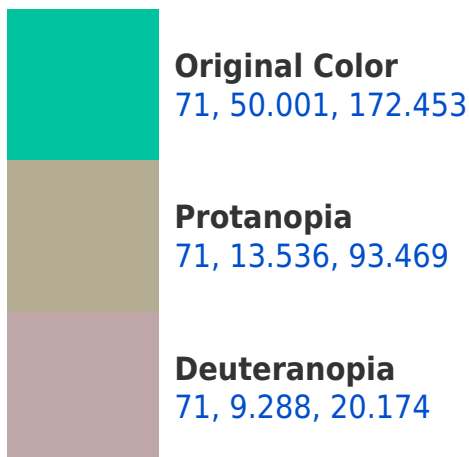


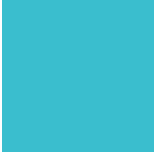
This preview shows how white text looks on a background with the CIELCh color 71, 50.136, 172.545.

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](#).

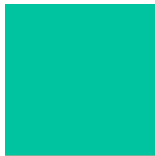
Dichromacy





Tritanopia
71, 34.897, 211.644

Trichromacy



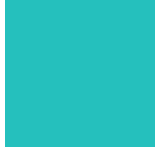
Original Color
71, 50.001, 172.453



Protanomaly
69, 28.406, 164.339



Deuteranomaly
69, 21.166, 177.846



Tritanomaly
71, 39.093, 194.034

Monochromacy



Original Color
71, 50.001, 172.453



Achromatopsia
56, 0.007, 296.813



Achromatomaly
60, 25.848, 180.480

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 50.136, 172.545 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, 196, 160)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 160)  
}
```

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, 196, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 50.136, 172.545 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, 196, 160) }
```

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

```
.border{ border-color:rgb(0, 196, 160) }
```

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

Here you see how a box with a 4 pixel rgb(0, 196, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 160);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 50.136, 172.545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 160) }
```

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

```
.background{ background-color: rgb(0, 196,  
160) }
```

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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