

Converting Colors

CIELCh(71, 49.340, 173.572)

Have a look what the booklet for
CIELCh(71, 49.340, 173.572)
contains.

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Color

CIELCh(71, 49.328, 173.531)

Conversions

Conversions Part 1

Format	Color
Hex	02C4A2
RGB	2, 196, 162
RGB Percent	1%, 77%, 64%
CMY	0.9925, 0.2307, 0.3640
CMYK	0.99, 0.00, 0.17, 0.23
HSL	169°, 98%, 39%
HSV	169°, 99%, 77%
XYZ	26.3406, 42.1875, 41.0161
YIQ	134.1180, -104.7100, -51.7020

Conversions

Conversions Part 2

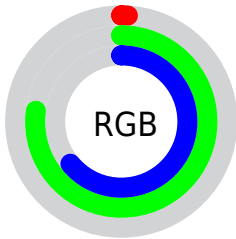
Format	Color
R _Y B	2, 108, 196
Decimal	181410
CIE Lab	71.00, -49.01, 5.56
CIE LCh	71, 49.328, 173.531
Yxy	42.1875, 0.2405, 0.3851
Android (android.graphics.Color)	4278371490 (0xFF02C4A2)
YUV	134.1180, 13.7458, -115.8675
Hunter-Lab	64.9519, -41.2770, 8.0256

Details

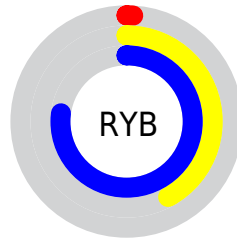
The CIELCh color **71, 49.328, 173.531** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **41, 77.181, 31.048**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **91, 49.473, 173.438**, and **52, 40.783, 169.339** is the 20% darker color. If you saturate the color by 10%, you get **71, 49.495, 173.369**, and if you desaturate by 10%, it is **71, 47.516, 175.197**.

Distribution



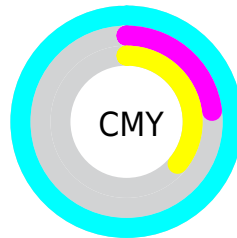
- Red (1%)
- Green (77%)
- Blue (64%)



- Red (1%)
- Yellow (42%)
- Blue (77%)



- Cyan (99%)
- Magenta (0%)
- Yellow (17%)
- Black (23%)





- Cyan (99%)
- Magenta (23%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 49.328, 173.531 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, 49.328, 173.531 by changing the saturation by 10% instead.


 71, 49.328,
173.531


 71, 49.328,
173.531


 100, 49.328,
173.531


 61, 49.328,
173.531


 91, 49.328,
173.531

 51, 49.328,
173.531

 41, 49.328,
173.531

 31, 49.328,
173.531

 21, 49.328,
173.531

 11, 49.328,
173.531

 1, 49.328, 173.531

■ 0, 49.328, 173.531

■ 71, 49.328,
173.531

■ 71, 49.328,
173.531

■ 71, 49.495,
173.369

■ 71, 47.516,
175.197

■ 71, 45.017,
176.730

■ 72, 41.684,
178.114

■ 73, 37.504,
179.369

■ 73, 32.523,
180.518

■ 74, 26.829,
181.582

■ 75, 20.535,
182.581

■ 76, 13.764,
183.532

■ 78, 6.639, 184.468

Harmonies

Complementary

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



71, 49.328, 173.531



41, 77.181, 31.048

Rectangle

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



71, 49.328, 173.531



71, 49.328, 223.531



71, 49.328, 353.531



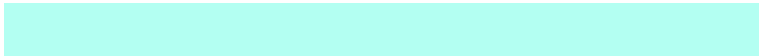
71, 49.328, 43.531

Sweetspot

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



71, 49.328, 173.530



95, 26.162, 182.440



69, 96.534, 134.864



50, 17.638, 182.016



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, 49.328, 173.530



90, 60.503, 173.075



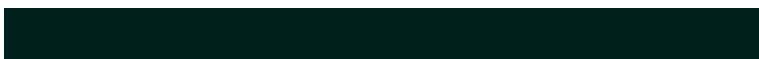
53, 41.152, 258.925



40, 4.127, 184.435



59, 42.543, 173.644



10, 14.051, 178.262

Inverse Universe

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



41, 77.181, 31.048



53, 95.509, 32.377



46, 76.373, 48.175



38, 4.293, 5.956



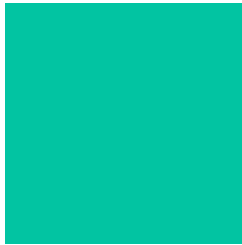
33, 66.493, 30.649



3, 14.225, 9.935

Previews

White Background



This preview shows how the CIELCh color 71, 49.328, 173.531 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, 49.328, 173.531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

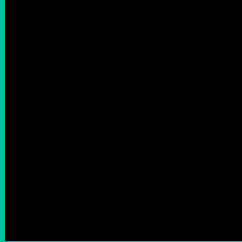
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 49.328, 173.531

Background



This preview shows how black text looks on a background with the CIELCh color 71, 49.328, 173.531.

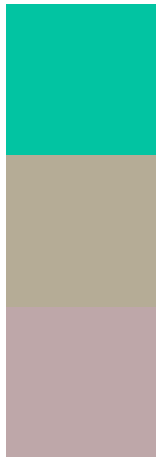


This preview shows how white text looks on a background with the CIELCh color 71, 49.328, 173.531.

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](#).

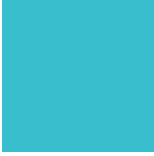
Dichromacy



Original Color
71, 49.297, 173.519

Protanopia
71, 12.488, 92.319

Deuteranopia
70, 8.923, 13.160



Tritanopia
71, 35.020, 211.583

Trichromacy



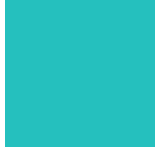
Original Color
71, 49.297, 173.519



Protanomaly
69, 27.800, 164.925



Deuteranomaly
69, 20.701, 180.638



Tritanomaly
71, 38.934, 194.855

Monochromacy



Original Color
71, 49.297, 173.519



Achromatopsia
56, 0.007, 296.813



Achromatomaly
60, 25.590, 180.335

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 49.328, 173.531 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(2, 196, 162)` looks like.

```
.text, #text, p{  
    color:rgb(2, 196, 162)  
}
```

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(2, 196, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 196, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 49.328, 173.531 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(2, 196, 162) }
```

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

```
.border{ border-color:rgb(2, 196, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 196, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 196, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 196, 162);  
box-shadow:4px 4px 4px 4px rgb(2, 196,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 49.328, 173.531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 196, 162) }
```

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

```
.background{ background-color: rgb(2, 196,  
162) }
```

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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