

Converting Colors

CIELCh(71, 45.443, 193.838)

Have a look what the booklet for
CIELCh(71, 45.443, 193.838)
contains.

CIELCh(71, 41.429, 194.044)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(71, 41.429, 194.044)

Conversions

Conversions Part 1

Format	Color
Hex	00C2BF
RGB	0, 194, 191
RGB Percent	0%, 76%, 75%
CMY	1.0000, 0.2401, 0.2518
CMYK	1.00, 0.00, 0.02, 0.24
HSL	179°, 100%, 38%
HSV	179°, 100%, 76%
XYZ	28.5378, 42.1875, 55.8040
YIQ	135.6520, -114.6610, -42.0610

Conversions

Conversions Part 2

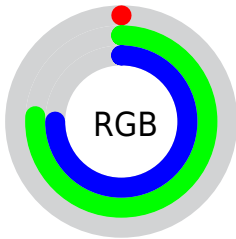
Format	Color
RYB	0, 98, 194
Decimal	49855
CIELab	71.00, -40.19, -10.05
CIELCh	71, 41.429, 194.044
Yxy	42.1875, 0.2255, 0.3334
Android (android.graphics.Color)	4278239935 (0xFF00C2BF)
YUV	135.6520, 27.2866, -118.9668
Hunter-Lab	64.9519, -35.2385, -5.4732

Details

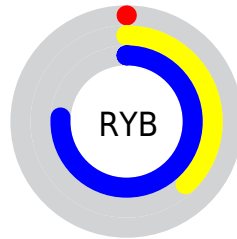
The CIELCh color **71, 41.429, 194.044** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **40, 84.360, 39.404**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **91, 41.289, 193.939**, and **52, 32.413, 194.265** is the 20% darker color. If you saturate the color by 10%, you get **71, 41.232, 194.046**, and if you desaturate by 10%, it is **71, 40.512, 194.291**.

Distribution



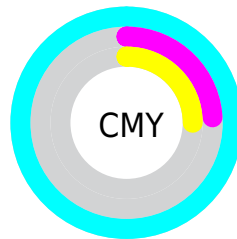
- Red (0%)
- Green (76%)
- Blue (75%)



- Red (0%)
- Yellow (38%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (24%)





- Cyan (100%)
- Magenta (24%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 41.429, 194.044 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, 41.429, 194.044 by changing the saturation by 10% instead.


 71, 41.429,
194.044


 71, 41.429,
194.044


 100, 41.429,
194.044


 61, 41.429,
194.044


 91, 41.429,
194.044

 51, 41.429,
194.044

 41, 41.429,
194.044

 31, 41.429,
194.044

 21, 41.429,
194.044

 11, 41.429,
194.044

 1, 41.429, 194.044

■ 0, 41.429, 194.044

■ 71, 41.429,
194.044

■ 71, 41.429,
194.044

■ 71, 41.232,
194.046

■ 71, 40.512,
194.291

■ 71, 39.142,
194.559

■ 72, 36.931,
194.860

■ 72, 33.839,
195.201

■ 73, 29.881,
195.588

■ 74, 25.116,
196.022

■ 75, 19.635,
196.503

■ 76, 13.546,
197.031

■ 77, 6.964, 197.620

Harmonies

Complementary

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



71, 41.429, 194.044



40, 84.360, 39.404

Rectangle

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



71, 41.429, 194.044



71, 41.429, 244.044



71, 41.429, 14.044



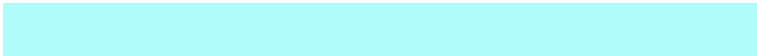
71, 41.429, 64.044

Sweetspot

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



71, 41.232, 194.046



94, 24.297, 196.479



68, 97.331, 135.951



50, 16.429, 196.267



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, 41.232, 194.046



90, 50.321, 194.009



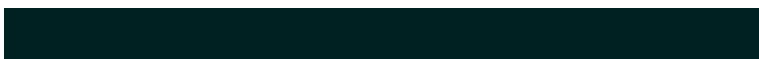
43, 56.983, 282.548



40, 3.954, 197.661



60, 35.880, 194.078



11, 12.546, 194.629

Inverse Universe

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



40, 84.360, 39.404



53, 103.169, 39.571



51, 69.876, 59.105



38, 4.186, 18.675



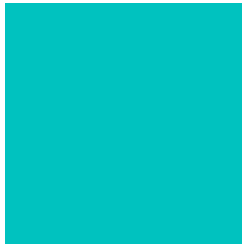
33, 73.118, 39.105



3, 14.004, 18.564

Previews

White Background



This preview shows how the CIELCh color 71, 41.429, 194.044 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 71, 41.429, 194.044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

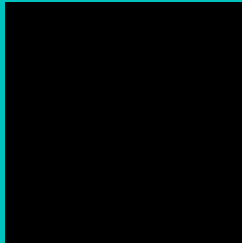
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

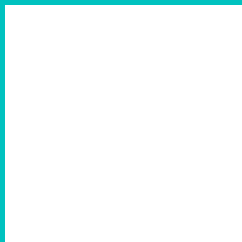
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 41.429, 194.044

Background



This preview shows how black text looks on a background with the CIELCh color 71, 41.429, 194.044.

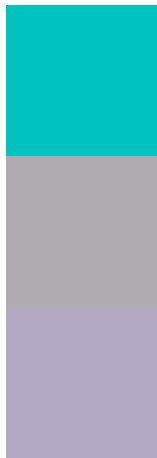


This preview shows how white text looks on a background with the CIELCh color 71, 41.429, 194.044.

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

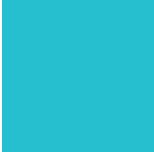
71, 41.272, 194.033

Protanopia

71, 2.849, 305.610

Deuteranopia

70, 15.808, 304.717



Tritanopia
71, 37.109, 210.601

Trichromacy



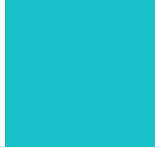
Original Color
71, 41.272, 194.033



Protanomaly
69, 22.618, 200.432



Deuteranomaly
69, 22.020, 223.292



Tritanomaly
71, 38.556, 204.027

Monochromacy



Original Color
71, 41.272, 194.033



Achromatopsia
56, 0.007, 296.813



Achromatomaly
60, 23.148, 195.945

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 41.429, 194.044 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, 194, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 191)  
}
```

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, 194, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 41.429, 194.044 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, 194, 191) }
```

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

```
.border{ border-color:rgb(0, 194, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 194, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 194,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 41.429, 194.044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 194, 191) }
```

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

```
.background{ background-color: rgb(0, 194,  
191) }
```

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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