

Converting Colors

CIELCh(72, 42.706, 190.159)

Have a look what the booklet for
CIELCh(72, 42.706, 190.159)
contains.

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Color

CIELCh(72, 42.656, 190.320)

Conversions

Conversions Part 1

Format	Color
Hex	01C5BD
RGB	1, 197, 189
RGB Percent	0%, 77%, 74%
CMY	0.9978, 0.2271, 0.2584
CMYK	1.00, 0.00, 0.04, 0.23
HSL	178°, 99%, 39%
HSV	178°, 100%, 77%
XYZ	29.1910, 43.6590, 55.0878
YIQ	137.4840, -114.2480, -44.0400

Conversions

Conversions Part 2

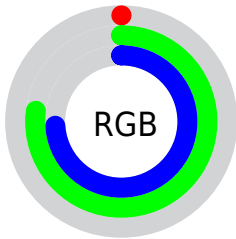
Format	Color
RYB	1, 101, 197
Decimal	116157
CIELab	72.00, -41.97, -7.64
CIELCh	72, 42.656, 190.320
Yxy	43.6590, 0.2282, 0.3413
Android (android.graphics.Color)	4278306237 (0xFF01C5BD)
YUV	137.4840, 25.3974, -119.6965
Hunter-Lab	66.0750, -36.7724, -3.1785

Details

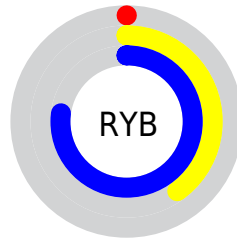
The CIELCh color **72, 42.656, 190.320** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **41, 84.272, 38.429**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **92, 42.469, 190.425**, and **53, 33.520, 190.235** is the 20% darker color. If you saturate the color by 10%, you get **72, 42.677, 190.303**, and if you desaturate by 10%, it is **72, 41.809, 190.871**.

Distribution



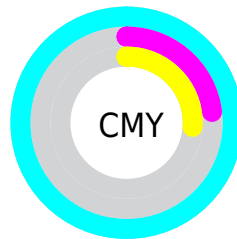
- Red (0%)
- Green (77%)
- Blue (74%)



- Red (0%)
- Yellow (40%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (23%)





- Cyan (100%)
- Magenta (23%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 42.656, 190.320 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 72, 42.656, 190.320 by changing the saturation by 10% instead.


 72, 42.656,
190.320


 72, 42.656,
190.320


 100, 42.656,
190.320


 62, 42.656,
190.320


 92, 42.656,
190.320

 52, 42.656,
190.320

 42, 42.656,
190.320

 32, 42.656,
190.320

 22, 42.656,
190.320

 12, 42.656,
190.320

 2, 42.656, 190.320

■ 0, 42.656, 190.320

■ 72, 42.656,
190.320

■ 72, 42.656,
190.320

■ 72, 42.677,
190.303

■ 72, 41.809,
190.871

■ 72, 40.284,
191.408

■ 73, 37.902,
191.939

■ 73, 34.628,
192.474

■ 74, 30.483,
193.022

■ 75, 25.533,
193.590

■ 76, 19.874,
194.183

■ 77, 13.620,
194.804

■ 78, 6.889, 195.471

Harmonies

Complementary

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



72, 42.656, 190.320



41, 84.272, 38.429

Rectangle

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



72, 42.656, 190.320



72, 42.656, 240.320



72, 42.656, 10.320



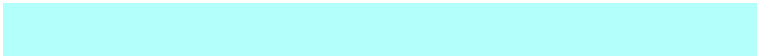
72, 42.656, 60.320

Sweetspot

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



72, 42.656, 190.319



95, 24.663, 194.138



70, 98.344, 135.836



50, 16.555, 193.882



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



72, 42.656, 190.319



91, 51.837, 190.213



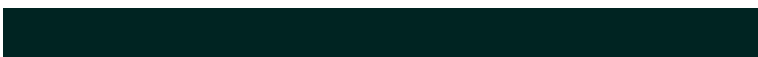
46, 53.823, 278.812



41, 4.053, 195.495



61, 37.082, 190.383



12, 13.310, 191.673

Inverse Universe

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



41, 84.272, 38.429



53, 103.022, 38.899



51, 71.762, 56.537



39, 4.280, 16.625



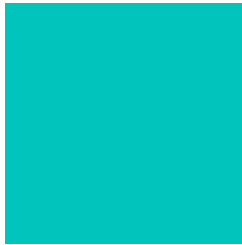
34, 73.019, 38.112



3, 15.903, 17.292

Previews

White Background



This preview shows how the CIELCh color 72, 42.656, 190.320 looks on a white background.

Color Contrast Check

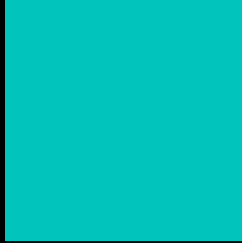
Large Text (above 18pt) WCAG AA × Fail

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 72, 42.656, 190.320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

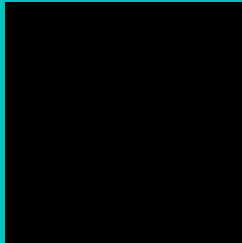
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

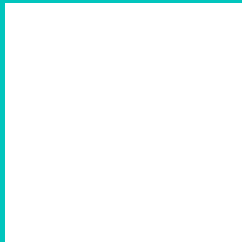
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 42.656, 190.320

Background



This preview shows how black text looks on a background with the CIELCh color 72, 42.656, 190.320.

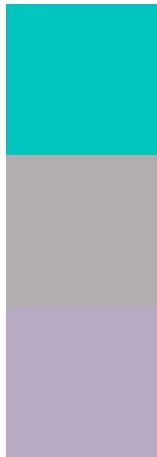


This preview shows how white text looks on a background with the CIELCh color 72, 42.656, 190.320.

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

72, 42.626, 190.318

Protanopia

71, 1.870, 343.632

Deuteranopia

71, 14.505, 310.324



Tritanopia
72, 37.276, 210.511

Trichromacy



Original Color
72, 42.626, 190.318



Protanomaly
70, 22.844, 196.211



Deuteranomaly
70, 21.254, 217.680



Tritanomaly
72, 39.047, 202.256

Monochromacy



Original Color
72, 42.626, 190.318



Achromatopsia
57, 0.007, 296.813



Achromatomaly
61, 23.915, 193.219

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 42.656, 190.320 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(1, 197, 189)` looks like.

```
.text, #text, p{  
    color:rgb(1, 197, 189)  
}
```

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(1, 197, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 197, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 42.656, 190.320 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(1, 197, 189) }
```

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

```
.border{ border-color:rgb(1, 197, 189) }
```

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

Here you see how a box with a 4 pixel rgb(1, 197, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 197, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 197, 189);  
box-shadow:4px 4px 4px 4px rgb(1, 197,  
189) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 42.656, 190.320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 197, 189) }
```

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

```
.background{ background-color: rgb(1, 197,  
189) }
```

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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