

Converting Colors

CIELCh(72, 42.623, 190.691)

Have a look what the booklet for
CIELCh(72, 42.623, 190.691)
contains.

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Color

CIELCh(72, 42.461, 191.056)

Conversions

Conversions Part 1

Format	Color
Hex	00C5BE
RGB	0, 197, 190
RGB Percent	0%, 77%, 75%
CMY	0.9995, 0.2274, 0.2548
CMYK	1.00, 0.00, 0.04, 0.23
HSL	178°, 100%, 39%
HSV	178°, 100%, 77%
XYZ	29.2671, 43.6590, 55.6090
YIQ	137.2990, -115.1650, -43.9410

Conversions

Conversions Part 2

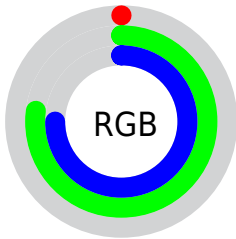
Format	Color
RYB	0, 100, 197
Decimal	50622
CIELab	72.00, -41.67, -8.14
CIELCh	72, 42.461, 191.056
Yxy	43.6590, 0.2277, 0.3397
Android (android.graphics.Color)	4278240702 (0xFF00C5BE)
YUV	137.2990, 25.9816, -120.4112
Hunter-Lab	66.0750, -36.5668, -3.6462

Details

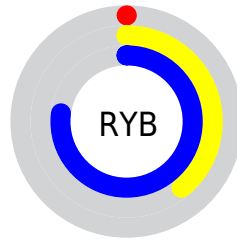
The CIELCh color **72, 42.461, 191.056** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **41, 84.559, 38.664**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **92, 42.307, 191.124**, and **53, 33.313, 191.232** is the 20% darker color. If you saturate the color by 10%, you get **72, 42.465, 191.052**, and if you desaturate by 10%, it is **72, 41.647, 191.547**.

Distribution



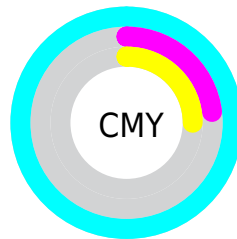
- Red (0%)
- Green (77%)
- Blue (75%)



- Red (0%)
- Yellow (39%)
- Blue (77%)



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





- Cyan (100%)
- Magenta (23%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 42.461, 191.056 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, 42.461, 191.056 by changing the saturation by 10% instead.


 72, 42.461,
191.056


 72, 42.461,
191.056


 100, 42.461,
191.056


 62, 42.461,
191.056


 92, 42.461,
191.056

 52, 42.461,
191.056

 42, 42.461,
191.056

 32, 42.461,
191.056

 22, 42.461,
191.056

 12, 42.461,
191.056

 2, 42.461, 191.056

■ 0, 42.461, 191.056

■ 72, 42.461,
191.056

■ 72, 42.461,
191.056

■ 72, 42.465,
191.052

■ 72, 41.647,
191.547

■ 72, 40.168,
192.032

■ 73, 37.832,
192.517

■ 73, 34.604,
193.014

■ 74, 30.503,
193.530

■ 75, 25.593,
194.072

■ 76, 19.969,
194.642

■ 77, 13.743,
195.244

■ 78, 7.034, 195.895

Harmonies

Complementary

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



72, 42.461, 191.056



41, 84.559, 38.664

Rectangle

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



72, 42.461, 191.056



72, 42.461, 241.056



72, 42.461, 11.056



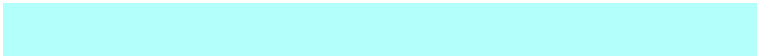
72, 42.461, 61.056

Sweetspot

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



72, 42.461, 191.055



95, 24.625, 194.612



69, 98.364, 135.827



50, 16.527, 194.365



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, 42.461, 191.055



91, 51.592, 190.972



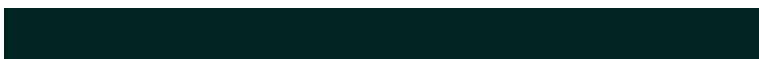
45, 53.919, 278.909



41, 4.050, 195.934



61, 36.912, 191.122



12, 13.264, 192.257

Inverse Universe

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



41, 84.559, 38.664



53, 103.208, 39.035



51, 71.863, 56.494



39, 4.279, 17.043



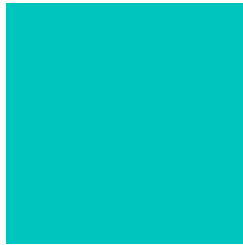
34, 73.222, 38.327



3, 15.900, 17.560

Previews

White Background



This preview shows how the CIELCh color 72, 42.461, 191.056 looks on a white background.

Color Contrast Check

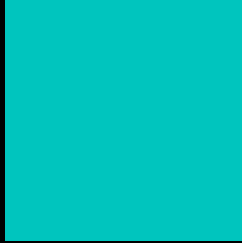
Large Text (above 18pt) WCAG AA × Fail

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, 42.461, 191.056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

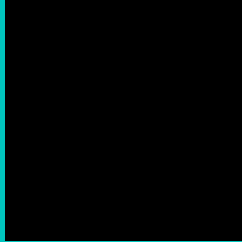
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

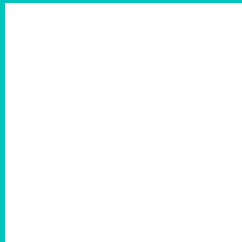
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 42.461, 191.056

Background



This preview shows how black text looks on a background with the CIELCh color 72, 42.461, 191.056.



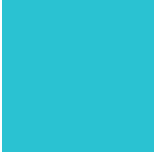
This preview shows how white text looks on a background with the CIELCh color 72, 42.461, 191.056.

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](#).

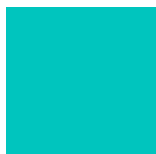
Dichromacy



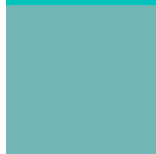


Tritanopia
72, 37.276, 210.511

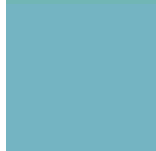
Trichromacy



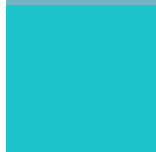
Original Color
72, 42.461, 191.056



Protanomaly
70, 22.844, 196.211



Deuteranomaly
70, 21.616, 218.894



Tritanomaly
72, 38.958, 203.102

Monochromacy



Original Color
72, 42.461, 191.056



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, 42.461, 191.056 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, 197, 190)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 190)  
}
```

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, 197, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 42.461, 191.056 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, 197, 190) }
```

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

```
.border{ border-color:rgb(0, 197, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 197, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 190);  
box-shadow:4px 4px 4px 4px rgb(0, 197,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 42.461, 191.056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 190) }
```

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

```
.background{ background-color: rgb(0, 197,  
190) }
```

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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