

Converting Colors

CIELCh(72, 42.201, 190.625)

Have a look what the booklet for
CIELCh(72, 42.201, 190.625)
contains.

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Color

CIELCh(72, 42.290, 190.295)

Conversions

Conversions Part 1

Format	Color
Hex	0CC5BD
RGB	12, 197, 189
RGB Percent	5%, 77%, 74%
CMY	0.9538, 0.2276, 0.2590
CMYK	0.94, 0.00, 0.04, 0.23
HSL	177°, 89%, 41%
HSV	177°, 94%, 77%
XYZ	29.2837, 43.6590, 55.0010
YIQ	140.7730, -107.6920, -41.7080

Conversions

Conversions Part 2

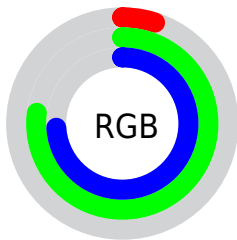
Format	Color
RYB	12, 107, 197
Decimal	837053
CIELab	72.00, -41.61, -7.56
CIELCh	72, 42.290, 190.295
Yxy	43.6590, 0.2289, 0.3412
Android (android.graphics.Color)	4279027133 (0xFF0CC5BD)
YUV	140.7730, 23.7759, -112.9339
Hunter-Lab	66.0750, -36.5219, -3.1007

Details

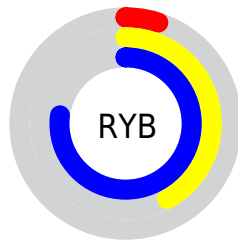
The CIELCh color **72, 42.290, 190.295** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **41, 81.032, 36.679**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **92, 42.119, 190.393**, and **53, 33.520, 190.235** is the 20% darker color. If you saturate the color by 10%, you get **72, 42.751, 189.946**, and if you desaturate by 10%, it is **72, 41.094, 190.865**.

Distribution



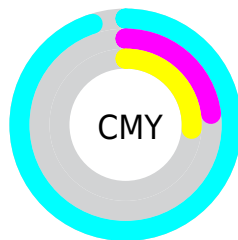
- Red (5%)
- Green (77%)
- Blue (74%)



- Red (5%)
- Yellow (42%)
- Blue (77%)



- Cyan (94%)
- Magenta (0%)
- Yellow (4%)
- Black (23%)





- Cyan (95%)
- Magenta (23%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 42.290, 190.295 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, 42.290, 190.295 by changing the saturation by 10% instead.


 72, 42.290,
190.295


 72, 42.290,
190.295


 100, 42.290,
190.295


 62, 42.290,
190.295


 92, 42.290,
190.295

 52, 42.290,
190.295

 42, 42.290,
190.295

 32, 42.290,
190.295

 22, 42.290,
190.295

 12, 42.290,
190.295

 2, 42.290, 190.295

■ 0, 42.290, 190.295

■ 72, 42.290,
190.295

■ 72, 42.290,
190.295

■ 72, 42.751,
189.946

■ 72, 41.094,
190.865

■ 72, 39.076,
191.420

■ 73, 36.174,
191.971

■ 74, 32.386,
192.529

■ 74, 27.763,
193.101

■ 75, 22.390,
193.694

■ 76, 16.373,
194.311

■ 77, 9.830, 194.961

■ 79, 2.878, 195.738

Harmonies

Complementary

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



72, 42.290, 190.295



41, 81.032, 36.679

Rectangle

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



72, 42.290, 190.295



72, 42.290, 240.295



72, 42.290, 10.295



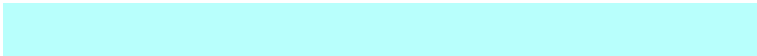
72, 42.290, 60.295

Sweetspot

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



72, 42.290, 190.294



95, 23.202, 194.035



70, 96.888, 135.982



50, 15.766, 193.767



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, 42.290, 190.294



91, 51.958, 189.850



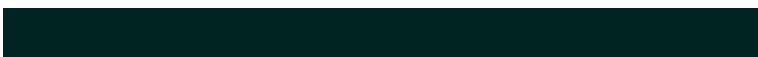
47, 50.906, 276.136



41, 4.055, 195.283



60, 37.165, 190.030



12, 13.332, 191.393

Inverse Universe

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



41, 81.032, 36.679



53, 102.930, 38.832



52, 68.729, 57.869



39, 4.281, 16.424



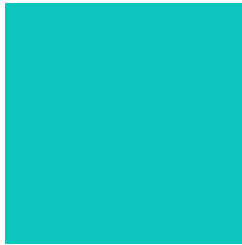
34, 72.922, 38.008



3, 15.905, 17.164

Previews

White Background



This preview shows how the CIE LCh color 72, 42.290, 190.295 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, 42.290, 190.295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

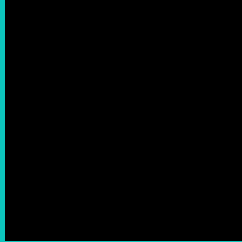
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 42.290, 190.295

Background



This preview shows how black text looks on a background with the CIELCh color 72, 42.290, 190.295.

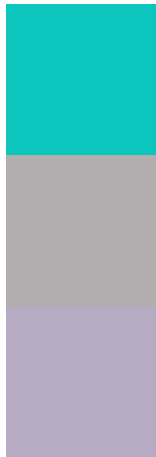


This preview shows how white text looks on a background with the CIELCh color 72, 42.290, 190.295.

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

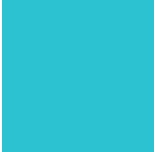
72, 42.290, 190.295

Protanopia

71, 1.608, 359.439

Deuteranopia

71, 14.505, 310.324



Tritanopia
72, 37.098, 210.589

Trichromacy



Original Color
72, 42.290, 190.295



Protanomaly
70, 21.542, 194.756



Deuteranomaly
70, 20.219, 218.804

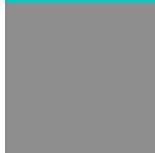


Tritanomaly
72, 38.721, 202.326

Monochromacy



Original Color
72, 42.290, 190.295



Achromatopsia
59, 0.008, 296.813



Achromatomaly
62, 22.595, 193.127

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 42.290, 190.295 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(12, 197, 189)` looks like.

```
.text, #text, p{  
    color:rgb(12, 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(12, 197, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 197, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 42.290, 190.295 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(12, 197, 189) }
```

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

```
.border{ border-color:rgb(12, 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(12, 197, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 197, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 197, 189);  
box-shadow:4px 4px 4px 4px rgb(12, 197,  
189) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 42.290, 190.295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 197, 189) }
```

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

```
.background{ background-color: rgb(12, 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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