

Converting Colors

CIELCh(65, 98.104, 198.693)

Have a look what the booklet for
CIELCh(65, 98.104, 198.693)
contains.

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Color

CIELCh(72, 39.465, 210.431)

Conversions

Conversions Part 1

Format	Color
Hex	00C3D4
RGB	0, 195, 212
RGB Percent	0%, 76%, 83%
CMY	1.0000, 0.2362, 0.1695
CMYK	1.00, 0.08, 0.00, 0.17
HSL	185°, 100%, 42%
HSV	185°, 100%, 83%
XYZ	31.3004, 43.6590, 68.9098
YIQ	138.6330, -121.6770, -36.0530

Conversions

Conversions Part 2

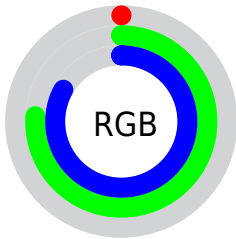
Format	Color
RYB	0, 102, 212
Decimal	50132
CIELab	72.00, -34.03, -19.99
CIELCh	72, 39.465, 210.431
Yxy	43.6590, 0.2176, 0.3035
Android (android.graphics.Color)	4278240212 (0xFF00C3D4)
YUV	138.6330, 36.1699, -121.5811
Hunter-Lab	66.0750, -31.0738, -15.5812

Details

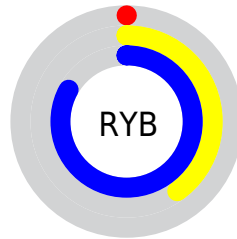
The CIELCh color **72, 39.465, 210.431** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **45, 89.774, 40.775**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **92, 40.160, 199.201**, and **53, 31.050, 214.325** is the 20% darker color. If you saturate the color by 10%, you get **72, 39.429, 210.445**, and if you desaturate by 10%, it is **73, 39.068, 209.153**.

Distribution



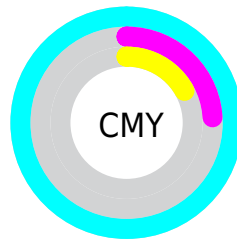
- Red (0%)
- Green (76%)
- Blue (83%)



- Red (0%)
- Yellow (40%)
- Blue (83%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (17%)





- Cyan (100%)
- Magenta (24%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 39.465, 210.431 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, 39.465, 210.431 by changing the saturation by 10% instead.


 72, 39.465,
210.431


 72, 39.465,
210.431


 100, 39.465,
210.431


 62, 39.465,
210.431


 92, 39.465,
210.431

 52, 39.465,
210.431

 42, 39.465,
210.431

 32, 39.465,
210.431

 22, 39.465,
210.431

 12, 39.465,
210.431

 2, 39.465, 210.431

■ 0, 39.465, 210.431

■ 72, 39.465,
210.431

■ 72, 39.465,
210.431

■ 72, 39.429,
210.445

■ 73, 39.068,
209.153

■ 73, 38.010,
208.102

■ 74, 36.063,
207.310

■ 75, 33.187,
206.751

■ 76, 29.404,
206.394

■ 78, 24.781,
206.212

■ 79, 19.416,
206.178

■ 81, 13.421,
206.269

■ 83, 6.913, 206.484

Harmonies

Complementary

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



72, 39.465, 210.431



45, 89.774, 40.775

Rectangle

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



72, 39.465, 210.431



72, 39.465, 260.431



72, 39.465, 30.431



72, 39.465, 80.431

Sweetspot

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



72, 39.429, 210.445



94, 22.546, 206.177



74, 102.931, 136.486



49, 15.111, 206.177



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, 39.429, 210.445



85, 45.325, 210.611



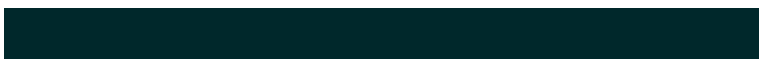
42, 72.152, 290.342



44, 3.966, 206.501



59, 33.639, 210.216



14, 13.389, 207.461

Inverse Universe

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



49, 94.270, 331.743



59, 108.379, 331.784



59, 72.536, 65.998



42, 7.429, 327.195



40, 80.410, 331.687



6, 31.081, 330.821

Previews

White Background



This preview shows how the CIE LCh color 72, 39.465, 210.431 looks on a white background.

Color Contrast Check

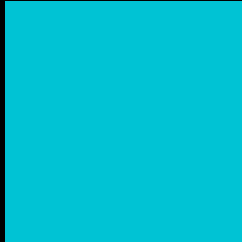
Large Text (above 18pt) WCAG AA × Fail

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, 39.465, 210.431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

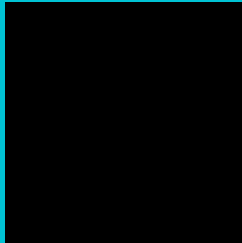
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 39.465, 210.431

Background



This preview shows how black text looks on a background with the CIELCh color 72, 39.465, 210.431.

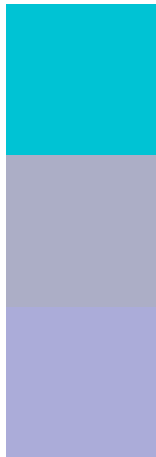


This preview shows how white text looks on a background with the CIELCh color 72, 39.465, 210.431.

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

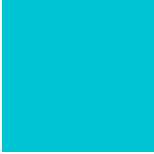
72, 39.465, 210.431

Protanopia

72, 13.098, 288.367

Deuteranopia

72, 24.555, 291.758

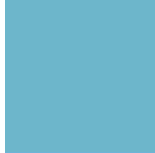


Tritanopia
72, 39.492, 209.582

Trichromacy



Original Color
72, 39.465, 210.431



Protanomaly
70, 24.716, 225.845



Deuteranomaly
70, 27.693, 242.414



Tritanomaly
72, 39.492, 209.582

Monochromacy



Original Color
72, 39.465, 210.431



Achromatopsia
57, 0.007, 296.813



Achromatomaly
61, 22.960, 206.015

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 39.465, 210.431 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, 195, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 195, 212)  
}
```

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, 195, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 195, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 39.465, 210.431 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, 195, 212) }
```

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

```
.border{ border-color:rgb(0, 195, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 195, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 195, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 195, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 195,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 39.465, 210.431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 195, 212) }
```

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

```
.background{ background-color: rgb(0, 195,  
212) }
```

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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