

Converting Colors

CIELCh(72, 40.764, 198.026)

Have a look what the booklet for
CIELCh(72, 40.764, 198.026)
contains.

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Color

CIELCh(72, 40.739, 197.978)

Conversions

Conversions Part 1

Format	Color
Hex	04C4C6
RGB	4, 196, 198
RGB Percent	2%, 77%, 78%
CMY	0.9847, 0.2308, 0.2229
CMYK	0.98, 0.01, 0.00, 0.22
HSL	181°, 96%, 40%
HSV	181°, 98%, 78%
XYZ	30.0338, 43.6590, 60.3628
YIQ	138.8200, -115.0740, -40.0820

Conversions

Conversions Part 2

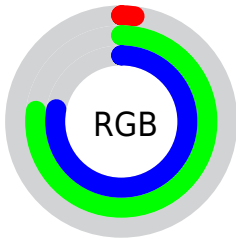
Format	Color
RYB	4, 100, 198
Decimal	312518
CIELab	72.00, -38.75, -12.57
CIELCh	72, 40.739, 197.978
Yxy	43.6590, 0.2240, 0.3257
Android (android.graphics.Color)	4278502598 (0xFF04C4C6)
YUV	138.8200, 29.1757, -118.2371
Hunter-Lab	66.0750, -34.4955, -7.9119

Details

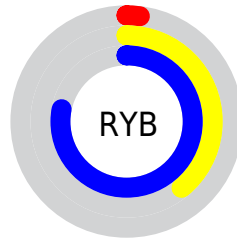
The CIELCh color **72, 40.739, 197.978** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **41, 85.222, 39.557**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **92, 40.628, 198.409**, and **53, 31.816, 199.624** is the 20% darker color. If you saturate the color by 10%, you get **72, 40.841, 197.997**, and if you desaturate by 10%, it is **72, 40.049, 197.891**.

Distribution



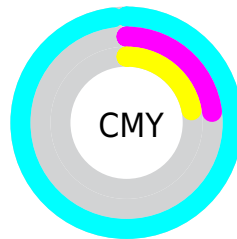
- Red (2%)
- Green (77%)
- Blue (78%)



- Red (2%)
- Yellow (39%)
- Blue (78%)



- Cyan (98%)
- Magenta (1%)
- Yellow (0%)
- Black (22%)





- Cyan (98%)
- Magenta (23%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 40.739, 197.978 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, 40.739, 197.978 by changing the saturation by 10% instead.


 72, 40.739,
197.978


 72, 40.739,
197.978


 100, 40.739,
197.978


 62, 40.739,
197.978


 92, 40.739,
197.978

 52, 40.739,
197.978

 42, 40.739,
197.978

 32, 40.739,
197.978

 22, 40.739,
197.978

 12, 40.739,
197.978

 2, 40.739, 197.978

0, 40.739, 197.978

72, 40.739,
197.978

72, 40.739,
197.978

72, 40.841,
197.997

72, 40.049,
197.891

72, 38.618,
197.876

73, 36.319,
197.941

73, 33.120,
198.089

74, 29.045,
198.316

75, 24.160,
198.618

■ 76, 18.560,
198.991

■ 77, 12.354,
199.430

■ 79, 5.659, 199.957

Harmonies

Complementary

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



72, 40.739, 197.978



41, 85.222, 39.557

Rectangle

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



72, 40.739, 197.978



72, 40.739, 247.978



72, 40.739, 17.978



72, 40.739, 67.978

Sweetspot

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



72, 40.738, 197.977



95, 23.435, 198.935



70, 98.607, 136.088



50, 15.803, 198.769



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, 40.738, 197.977



90, 49.371, 198.021



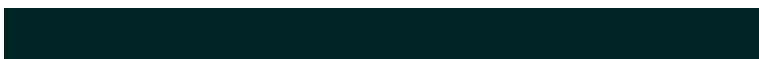
43, 58.811, 283.467



41, 3.992, 199.877



60, 35.371, 197.974



12, 12.837, 197.620

Inverse Universe

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



47, 94.454, 328.626



60, 114.624, 328.652



53, 69.616, 60.864



39, 7.331, 325.207



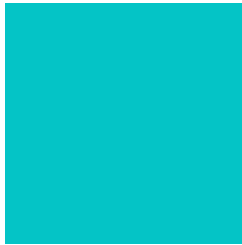
39, 82.104, 328.640



4, 26.510, 327.355

Previews

White Background



This preview shows how the CIE LCh color 72, 40.739, 197.978 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, 40.739, 197.978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

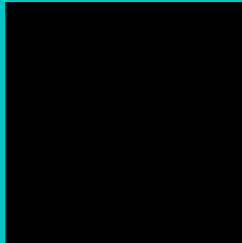
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

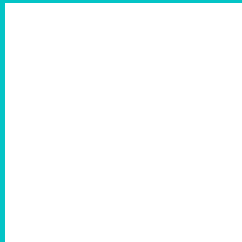
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 40.739, 197.978

Background



This preview shows how black text looks on a background with the CIELCh color 72, 40.739, 197.978.

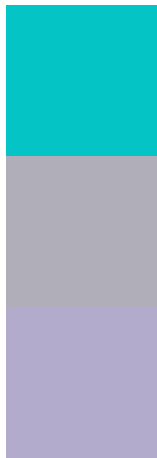


This preview shows how white text looks on a background with the CIELCh color 72, 40.739, 197.978.

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

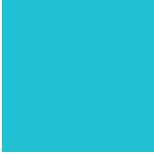
72, 40.710, 197.981

Protanopia

72, 5.519, 298.364

Deuteranopia

72, 18.239, 299.641



Tritanopia
72, 37.907, 210.238

Trichromacy



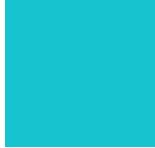
Original Color
72, 40.710, 197.981



Protanomaly
70, 22.485, 207.618



Deuteranomaly
70, 23.148, 229.701



Tritanomaly
72, 38.953, 205.595

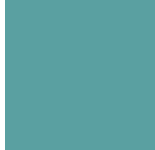
Monochromacy



Original Color
72, 40.710, 197.981



Achromatopsia
58, 0.007, 296.813



Achromatomaly
62, 22.962, 198.841

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 40.739, 197.978 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(4, 196, 198)` looks like.

```
.text, #text, p{  
    color:rgb(4, 196, 198)  
}
```

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(4, 196, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 196, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 40.739, 197.978 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(4, 196, 198) }
```

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

```
.border{ border-color:rgb(4, 196, 198) }
```

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

Here you see how a box with a 4 pixel rgb(4, 196, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 196, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 196, 198);  
box-shadow:4px 4px 4px 4px rgb(4, 196,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 40.739, 197.978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 196, 198) }
```

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

```
.background{ background-color: rgb(4, 196,  
198) }
```

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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