

Converting Colors

CIELCh(70, 41.850, 189.850)

Have a look what the booklet for
CIELCh(70, 41.850, 189.850)
contains.

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Color

CIELCh(70, 41.729, 190.148)

Conversions

Conversions Part 1

Format	Color
Hex	01BFB7
RGB	1, 191, 183
RGB Percent	0%, 75%, 72%
CMY	0.9972, 0.2504, 0.2818
CMYK	1.00, 0.00, 0.04, 0.25
HSL	177°, 99%, 38%
HSV	177°, 100%, 75%
XYZ	27.2297, 40.7494, 51.3020
YIQ	133.2780, -110.6720, -42.7680

Conversions

Conversions Part 2

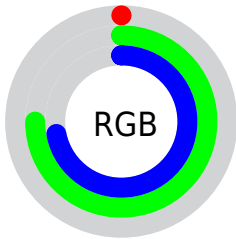
Format	Color
RYB	1, 98, 191
Decimal	114615
CIELab	70.00, -41.08, -7.35
CIELCh	70, 41.729, 190.148
Yxy	40.7494, 0.2283, 0.3416
Android (android.graphics.Color)	4278304695 (0xFF01BFB7)
YUV	133.2780, 24.5129, -116.0078
Hunter-Lab	63.8353, -35.5703, -2.9645

Details

The CIELCh color **70, 41.729, 190.148** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **40, 82.203, 38.303**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 41.628, 190.271**, and **51, 32.917, 189.025** is the 20% darker color. If you saturate the color by 10%, you get **70, 41.757, 190.126**, and if you desaturate by 10%, it is **70, 40.875, 190.712**.

Distribution



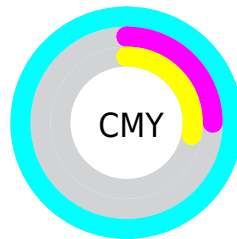
- Red (0%)
- Green (75%)
- Blue (72%)



- Red (0%)
- Yellow (38%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 41.729, 190.148 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 70, 41.729, 190.148 by changing the saturation by 10% instead.


 70, 41.729,
190.148


 70, 41.729,
190.148


 100, 41.729,
190.148


 60, 41.729,
190.148


 90, 41.729,
190.148

 50, 41.729,
190.148

 40, 41.729,
190.148

 30, 41.729,
190.148

 20, 41.729,
190.148

 10, 41.729,
190.148

 0, 41.729, 190.148

■ 70, 41.729,
190.148

■ 70, 41.729,
190.148

■ 70, 41.757,
190.126

■ 70, 40.875,
190.712

■ 70, 39.360,
191.261

■ 71, 37.009,
191.802

■ 71, 33.790,
192.345

■ 72, 29.725,
192.900

■ 73, 24.878,
193.475

■ 74, 19.345,
194.072

■ 75, 13.235,

194.696

■ 76, 6.662, 195.366

Harmonies

Complementary

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



70, 41.729, 190.148



40, 82.203, 38.303

Rectangle

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



70, 41.729, 190.148



70, 41.729, 240.148



70, 41.729, 10.148



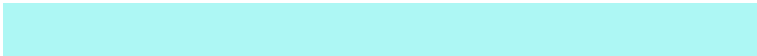
70, 41.729, 60.148

Sweetspot

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



70, 41.729, 190.147



93, 24.075, 194.020



68, 96.083, 135.832



49, 16.295, 193.763



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



70, 41.729, 190.147



88, 50.714, 190.031



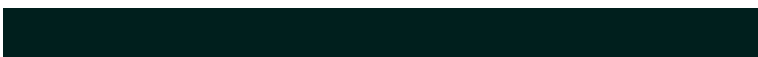
44, 52.459, 278.665



39, 3.882, 195.387



59, 36.265, 190.211



9, 11.876, 192.064

Inverse Universe

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



40, 82.203, 38.303



52, 100.568, 38.821



49, 70.044, 56.636



37, 4.098, 16.514



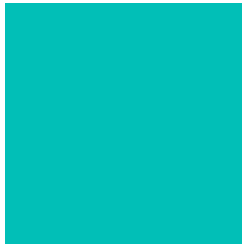
32, 71.188, 37.954



3, 12.269, 16.982

Previews

White Background



This preview shows how the CIELCh color 70, 41.729, 190.148 looks on a white background.

Color Contrast Check

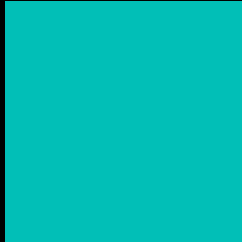
Large Text (above 18pt) WCAG AA × Fail

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 70, 41.729, 190.148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

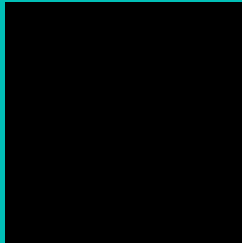
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 41.729, 190.148

Background



This preview shows how black text looks on a background with the CIELCh color 70, 41.729, 190.148.



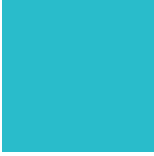
This preview shows how white text looks on a background with the CIELCh color 70, 41.729, 190.148.

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
70, 36.368, 210.039

Trichromacy



Original Color
70, 41.697, 190.146



Protanomaly
68, 22.416, 194.747



Deuteranomaly
68, 20.651, 216.754



Tritanomaly
70, 38.119, 202.433

Monochromacy



Original Color
70, 41.697, 190.146



Achromatopsia
56, 0.007, 296.813



Achromatomaly
59, 23.134, 193.076

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 41.729, 190.148 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, 191, 183)` looks like.

```
.text, #text, p{  
    color:rgb(1, 191, 183)  
}
```

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, 191, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 191, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 41.729, 190.148 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, 191, 183) }
```

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

```
.border{ border-color:rgb(1, 191, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 191, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 191, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 191, 183);  
box-shadow:4px 4px 4px 4px rgb(1, 191,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 41.729, 190.148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 191, 183) }
```

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

```
.background{ background-color: rgb(1, 191,  
183) }
```

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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