

Converting Colors

CIELCh(69, 51.027, 189.928)

Have a look what the booklet for
CIELCh(69, 51.027, 189.928)
contains.

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Color

CIELCh(70, 42.087, 189.431)

Conversions

Conversions Part 1

Format	Color
Hex	00BFB6
RGB	0, 191, 182
RGB Percent	0%, 75%, 71%
CMY	1.0000, 0.2499, 0.2851
CMYK	1.00, 0.00, 0.05, 0.25
HSL	177°, 100%, 38%
HSV	177°, 100%, 75%
XYZ	27.1203, 40.7494, 50.8525
YIQ	132.8650, -110.9470, -43.2910

Conversions

Conversions Part 2

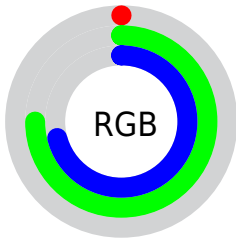
Format	Color
RYB	0, 98, 191
Decimal	49078
CIELab	70.00, -41.52, -6.90
CIELCh	70, 42.087, 189.431
Yxy	40.7494, 0.2284, 0.3432
Android (android.graphics.Color)	4278239158 (0xFF00BFB6)
YUV	132.8650, 24.2236, -116.5226
Hunter-Lab	63.8353, -35.8762, -2.5469

Details

The CIELCh color **70, 42.087, 189.431** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **40, 82.247, 38.214**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 41.798, 189.560**, and **51, 33.145, 188.024** is the 20% darker color. If you saturate the color by 10%, you get **70, 41.972, 189.420**, and if you desaturate by 10%, it is **70, 41.106, 190.040**.

Distribution



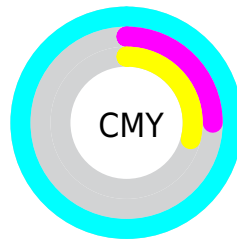
- Red (0%)
- Green (75%)
- Blue (71%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 42.087, 189.431 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 70, 42.087, 189.431 by changing the saturation by 10% instead.


 70, 42.087,
189.431


 70, 42.087,
189.431


 100, 42.087,
189.431


 60, 42.087,
189.431


 90, 42.087,
189.431

 50, 42.087,
189.431

 40, 42.087,
189.431

 30, 42.087,
189.431

 20, 42.087,
189.431

 10, 42.087,
189.431

 0, 42.087, 189.431

■ 70, 42.087,
189.431

■ 70, 42.087,
189.431

■ 70, 41.972,
189.420

■ 70, 41.106,
190.040

■ 70, 39.595,
190.640

■ 71, 37.249,
191.222

■ 71, 34.035,
191.801

■ 72, 29.975,
192.385

■ 73, 25.132,
192.982

■ 74, 19.602,
193.599

■ 75, 13.493,

194.239

■ 76, 6.922, 194.920

Harmonies

Complementary

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



70, 42.087, 189.431



40, 82.247, 38.214

Rectangle

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



70, 42.087, 189.431



70, 42.087, 239.431



70, 42.087, 9.431



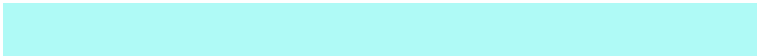
70, 42.087, 59.431

Sweetspot

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



70, 41.972, 189.420



93, 24.312, 193.568



68, 96.223, 135.818



49, 16.322, 193.304



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, 41.972, 189.420



89, 51.350, 189.311



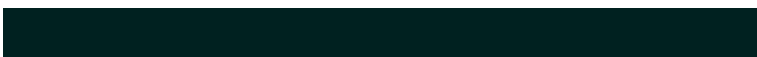
44, 52.677, 278.832



40, 3.972, 194.966



60, 36.862, 189.506



11, 12.782, 191.103

Inverse Universe

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



40, 82.247, 38.214



52, 101.184, 38.696



49, 70.291, 56.563



38, 4.191, 16.118



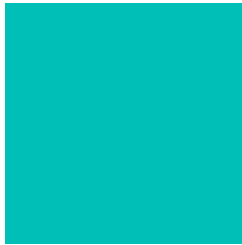
33, 71.893, 37.803



3, 14.022, 16.839

Previews

White Background



This preview shows how the CIE LCh color 70, 42.087, 189.431 looks on a white background.

Color Contrast Check

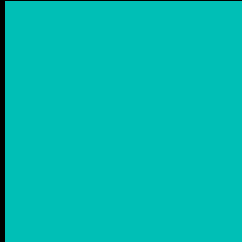
Large Text (above 18pt) WCAG AA × Fail

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 70, 42.087, 189.431 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

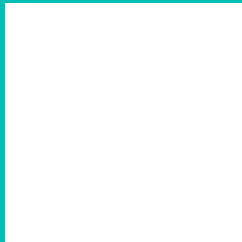
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 42.087, 189.431

Background



This preview shows how black text looks on a background with the CIELCh color 70, 42.087, 189.431.

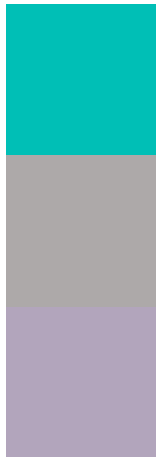


This preview shows how white text looks on a background with the CIELCh color 70, 42.087, 189.431.

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

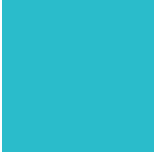
70, 41.932, 189.399

Protanopia

70, 1.515, 19.216

Deuteranopia

69, 13.554, 311.826

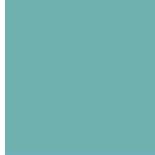


Tritanopia
70, 36.278, 210.078

Trichromacy



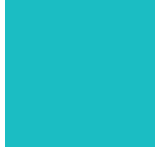
Original Color
70, 41.932, 189.399



Protanomaly
68, 22.531, 193.332



Deuteranomaly
68, 20.824, 214.952



Tritanomaly
70, 38.153, 201.578

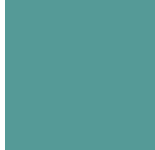
Monochromacy



Original Color
70, 41.932, 189.399



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, 42.087, 189.431 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, 191, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 182)  
}
```

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, 191, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 42.087, 189.431 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, 191, 182) }
```

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

```
.border{ border-color:rgb(0, 191, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 191, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 42.087, 189.431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 182) }
```

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

```
.background{ background-color: rgb(0, 191,  
182) }
```

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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