

Converting Colors

CIELCh(69, 41.026, 189.853)

Have a look what the booklet for
CIELCh(69, 41.026, 189.853)
contains.

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Color

CIELCh(69, 40.971, 190.037)

Conversions

Conversions Part 1

Format	Color
Hex	09BCB4
RGB	9, 188, 180
RGB Percent	4%, 74%, 71%
CMY	0.9636, 0.2625, 0.2939
CMYK	0.95, 0.00, 0.04, 0.26
HSL	177°, 91%, 39%
HSV	177°, 95%, 74%
XYZ	26.3525, 39.3444, 49.4113
YIQ	133.5670, -104.1160, -40.4360

Conversions

Conversions Part 2

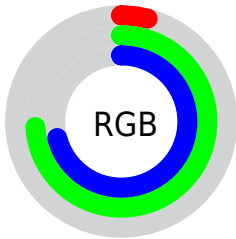
Format	Color
RYB	9, 101, 188
Decimal	638132
CIELab	69.00, -40.34, -7.14
CIELCh	69, 40.971, 190.037
Yxy	39.3444, 0.2289, 0.3418
Android (android.graphics.Color)	4278828212 (0xFF09BCB4)
YUV	133.5670, 22.8915, -109.2453
Hunter-Lab	62.7251, -34.7762, -2.7978

Details

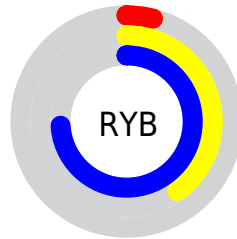
The CIELCh color **69, 40.971, 190.037** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **39, 78.655, 36.874**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 41.028, 190.173**, and **50, 32.424, 188.882** is the 20% darker color. If you saturate the color by 10%, you get **69, 41.356, 189.743**, and if you desaturate by 10%, it is **69, 39.867, 190.624**.

Distribution



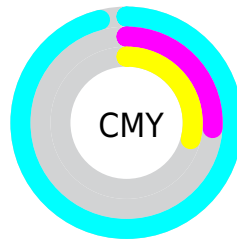
- Red (4%)
- Green (74%)
- Blue (71%)



- Red (4%)
- Yellow (40%)
- Blue (74%)



- Cyan (95%)
- Magenta (0%)
- Yellow (4%)
- Black (26%)





- Cyan (96%)
- Magenta (26%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 40.971, 190.037 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 69, 40.971, 190.037 by changing the saturation by 10% instead.


 69, 40.971,
190.037


 69, 40.971,
190.037


 100, 40.971,
190.037


 59, 40.971,
190.037


 89, 40.971,
190.037

 49, 40.971,
190.037

 99, 40.971,
190.037

 39, 40.971,
190.037

 29, 40.971,
190.037

 19, 40.971,
190.037

 9, 40.971, 190.037

 0, 40.971, 190.037

■ 69, 40.971,
190.037

■ 69, 40.971,
190.037

■ 69, 41.356,
189.743

■ 69, 39.867,
190.624

■ 69, 37.983,
191.192

■ 70, 35.252,
191.753

■ 70, 31.670,
192.319

■ 71, 27.281,
192.896

■ 72, 22.163,
193.492

■ 73, 16.418,
194.110

■ 74, 10.159,

194.758

■ 76, 3.497, 195.501

Harmonies

Complementary

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



69, 40.971, 190.037



39, 78.655, 36.874

Rectangle

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



69, 40.971, 190.037



69, 40.971, 240.037



69, 40.971, 10.037



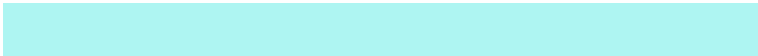
69, 40.971, 60.037

Sweetspot

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



69, 40.971, 190.036



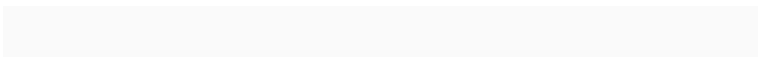
92, 23.182, 193.835



67, 93.800, 135.968



48, 15.653, 193.573



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



69, 40.971, 190.036



88, 50.446, 189.638



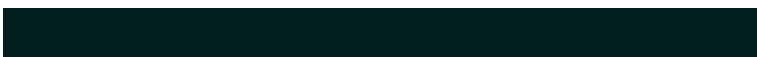
45, 49.546, 276.503



39, 3.884, 195.156



59, 36.355, 189.826



9, 11.891, 191.767

Inverse Universe

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



39, 78.655, 36.874



51, 99.661, 38.729



49, 66.777, 57.679



37, 4.098, 16.293



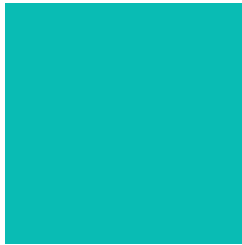
32, 71.085, 37.841



3, 12.271, 16.825

Previews

White Background



This preview shows how the CIELCh color 69, 40.971, 190.037 looks on a white background.

Color Contrast Check

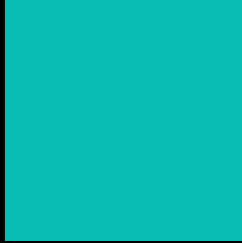
Large Text (above 18pt) WCAG AA × Fail

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 69, 40.971, 190.037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

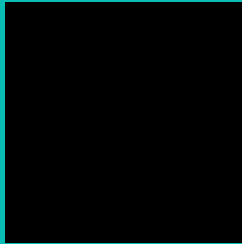
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

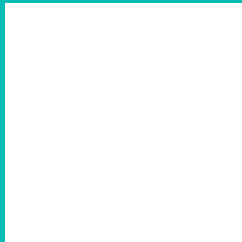
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 40.971, 190.037

Background



This preview shows how black text looks on a background with the CIELCh color 69, 40.971, 190.037.

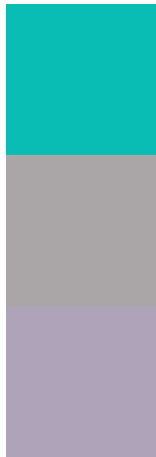


This preview shows how white text looks on a background with the CIELCh color 69, 40.971, 190.037.

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

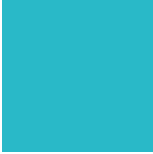
69, 40.971, 190.037

Protanopia

68, 1.622, 359.460

Deuteranopia

69, 13.459, 310.360



Tritanopia
69, 35.858, 210.280

Trichromacy



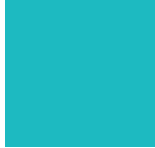
Original Color
69, 40.971, 190.037



Protanomaly
67, 21.020, 194.642



Deuteranomaly
67, 19.611, 217.917



Tritanomaly
69, 37.425, 202.578

Monochromacy



Original Color
69, 40.971, 190.037



Achromatopsia
56, 0.007, 296.813



Achromatomaly
59, 22.070, 192.969

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 40.971, 190.037 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(9, 188, 180)` looks like.

```
.text, #text, p{  
    color:rgb(9, 188, 180)  
}
```

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(9, 188, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 188, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 40.971, 190.037 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(9, 188, 180) }
```

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

```
.border{ border-color:rgb(9, 188, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 188, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 188, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 188, 180);  
box-shadow:4px 4px 4px 4px rgb(9, 188,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 40.971, 190.037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 188, 180) }
```

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

```
.background{ background-color: rgb(9, 188,  
180) }
```

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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