

Converting Colors

CIELCh(69, 41.280, 189.979)

Have a look what the booklet for
CIELCh(69, 41.280, 189.979)
contains.

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Color

CIELCh(69, 41.230, 190.056)

Conversions

Conversions Part 1

Format	Color
Hex	02BCB4
RGB	2, 188, 180
RGB Percent	1%, 74%, 71%
CMY	0.9929, 0.2621, 0.2935
CMYK	0.99, 0.00, 0.04, 0.26
HSL	177°, 98%, 37%
HSV	177°, 99%, 74%
XYZ	26.2913, 39.3444, 49.4679
YIQ	131.4740, -108.2880, -41.9200

Conversions

Conversions Part 2

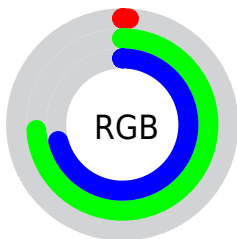
Format	Color
RYB	2, 97, 188
Decimal	179380
CIELab	69.00, -40.60, -7.20
CIElCh	69, 41.230, 190.056
Yxy	39.3444, 0.2284, 0.3418
Android (android.graphics.Color)	4278369460 (0xFF02BCB4)
YUV	131.4740, 23.9233, -113.5487
Hunter-Lab	62.7251, -34.9504, -2.8512

Details

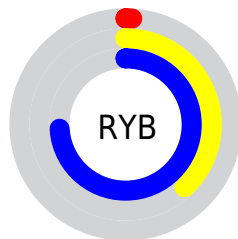
The CIELCh color **69, 41.230, 190.056** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **39, 80.879, 38.096**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 41.206, 190.191**, and **50, 32.424, 188.882** is the 20% darker color. If you saturate the color by 10%, you get **69, 41.304, 190.000**, and if you desaturate by 10%, it is **69, 40.351, 190.629**.

Distribution



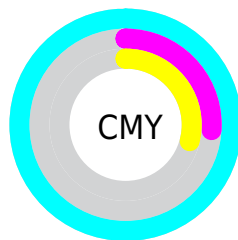
- Red (1%)
- Green (74%)
- Blue (71%)



- Red (1%)
- Yellow (38%)
- Blue (74%)



- Cyan (99%)
- Magenta (0%)
- Yellow (4%)
- Black (26%)





- Cyan (99%)
- Magenta (26%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 41.230, 190.056 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, 41.230, 190.056 by changing the saturation by 10% instead.

 69, 41.230,
190.056


 69, 41.230,
190.056


 100, 41.230,
190.056


 59, 41.230,
190.056


 89, 41.230,
190.056

 49, 41.230,
190.056

 99, 41.230,
190.056

 39, 41.230,
190.056

 29, 41.230,
190.056

 19, 41.230,
190.056

 9, 41.230, 190.056

 0, 41.230, 190.056

■ 69, 41.230,
190.056

■ 69, 41.230,
190.056

■ 69, 41.304,
190.000

■ 69, 40.351,
190.629

■ 69, 38.797,
191.186

■ 70, 36.414,
191.733

■ 70, 33.175,
192.283

■ 71, 29.105,
192.844

■ 72, 24.270,
193.424

■ 73, 18.765,
194.025

■ 74, 12.699,

194.654

■ 75, 6.184, 195.332

Harmonies

Complementary

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



69, 41.230, 190.056



39, 80.879, 38.096

Rectangle

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



69, 41.230, 190.056



69, 41.230, 240.056



69, 41.230, 10.056



69, 41.230, 60.056

Sweetspot

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



69, 41.230, 190.055



92, 23.882, 193.937



67, 94.817, 135.852



48, 16.031, 193.682



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, 41.230, 190.055



88, 50.360, 189.900



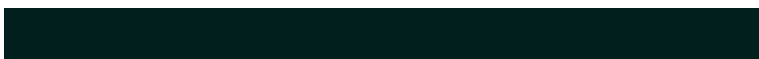
44, 51.504, 278.345



39, 3.883, 195.309



59, 36.295, 190.080



9, 11.881, 191.963

Inverse Universe

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



39, 80.879, 38.096



51, 99.728, 38.781



49, 68.880, 56.794



37, 4.098, 16.439



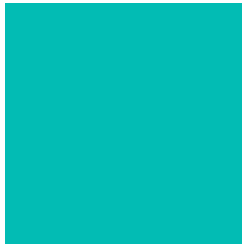
32, 71.153, 37.916



3, 12.270, 16.929

Previews

White Background



This preview shows how the CIELCh color 69, 41.230, 190.056 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, 41.230, 190.056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

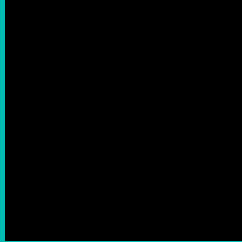
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

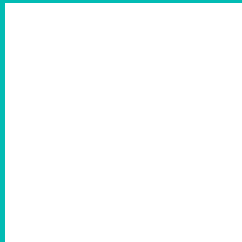
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 41.230, 190.056

Background



This preview shows how black text looks on a background with the CIELCh color 69, 41.230, 190.056.

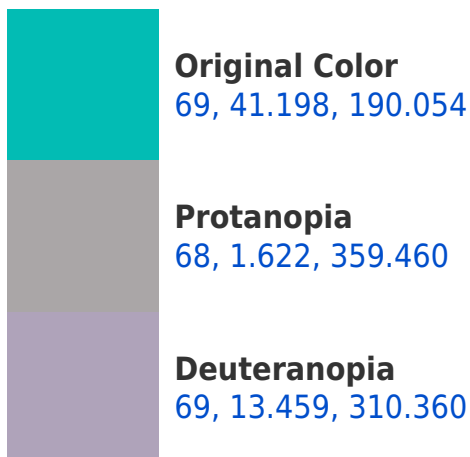


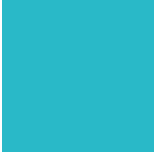
This preview shows how white text looks on a background with the CIELCh color 69, 41.230, 190.056.

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
69, 35.858, 210.280

Trichromacy



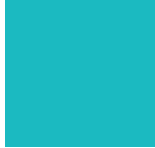
Original Color
69, 41.198, 190.054



Protanomaly
67, 21.872, 194.689



Deuteranomaly
67, 20.398, 217.063



Tritanomaly
69, 37.558, 202.547

Monochromacy



Original Color
69, 41.198, 190.054



Achromatopsia
55, 0.007, 296.813



Achromatomaly
59, 22.478, 194.449

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 41.230, 190.056 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(2, 188, 180)` looks like.

```
.text, #text, p{  
    color:rgb(2, 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(2, 188, 180) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 69, 41.230, 190.056 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(2, 188, 180) }
```

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

```
.border{ border-color:rgb(2, 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(2, 188, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 188, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 188, 180);  
box-shadow:4px 4px 4px 4px rgb(2, 188,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 41.230, 190.056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 188, 180) }
```

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

```
.background{ background-color: rgb(2, 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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