

Converting Colors

CIELCh(70, 38.153, 201.578)

Have a look what the booklet for
CIELCh(70, 38.153, 201.578)
contains.

CIELCh(70, 38.088, 201.591)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(70, 38.088, 201.591)

Conversions

Conversions Part 1

Format	Color
Hex	1DBDC3
RGB	29, 189, 195
RGB Percent	11%, 74%, 76%
CMY	0.8869, 0.2575, 0.2340
CMYK	0.85, 0.03, 0.00, 0.23
HSL	182°, 74%, 44%
HSV	182°, 85%, 77%
XYZ	28.6569, 40.7494, 58.1777
YIQ	141.8440, -97.2860, -32.0540

Conversions

Conversions Part 2

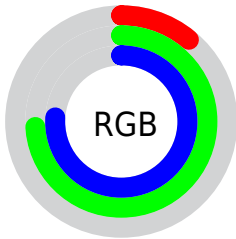
Format	Color
RYB	29, 110, 195
Decimal	1949123
CIELab	70.00, -35.42, -14.02
CIELCh	70, 38.088, 201.591
Yxy	40.7494, 0.2246, 0.3194
Android (android.graphics.Color)	4280139203 (0xFF1DBDC3)
YUV	141.8440, 26.2059, -98.9642
Hunter-Lab	63.8353, -31.5797, -9.3506

Details

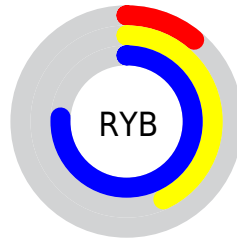
The CIELCh color **70, 38.088, 201.591** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **43, 75.439, 36.565**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 37.984, 201.833**, and **51, 30.478, 203.209** is the 20% darker color. If you saturate the color by 10%, you get **70, 38.830, 202.025**, and if you desaturate by 10%, it is **70, 36.546, 201.291**.

Distribution



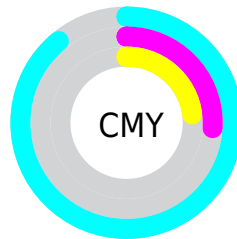
- Red (11%)
- Green (74%)
- Blue (76%)



- Red (11%)
- Yellow (43%)
- Blue (76%)



- Cyan (85%)
- Magenta (3%)
- Yellow (0%)
- Black (23%)





- Cyan (89%)
- Magenta (26%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 38.088, 201.591 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, 38.088, 201.591 by changing the saturation by 10% instead.


 70, 38.088,
201.591


 70, 38.088,
201.591


 100, 38.088,
201.591


 60, 38.088,
201.591


 90, 38.088,
201.591

 50, 38.088,
201.591

 40, 38.088,
201.591

 30, 38.088,
201.591

 20, 38.088,
201.591

 10, 38.088,
201.591

 0, 38.088, 201.591

■ 70, 38.088,
201.591

■ 70, 38.088,
201.591

■ 70, 38.830,
202.025

■ 70, 36.546,
201.291

■ 70, 39.026,
202.261

■ 71, 34.134,
201.126

■ 72, 30.841,
201.086

■ 73, 26.708,
201.160

■ 74, 21.811,
201.337

■ 75, 16.249,
201.604

■ 77, 10.134,
201.956

■ 78, 3.574, 202.446

Harmonies

Complementary

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



70, 38.088, 201.591



43, 75.439, 36.565

Rectangle

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



70, 38.088, 201.591



70, 38.088, 251.591



70, 38.088, 21.591



70, 38.088, 71.591

Sweetspot

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



70, 38.087, 201.590



95, 20.700, 201.568



69, 92.290, 137.218



50, 13.846, 201.468



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 38.087, 201.590



88, 47.662, 202.360



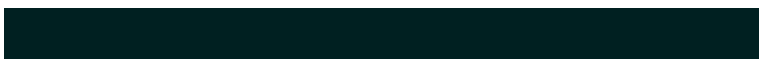
45, 53.739, 281.021



40, 3.808, 202.211



58, 33.785, 202.173



10, 11.947, 200.820

Inverse Universe

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



47, 88.443, 329.405



60, 112.289, 329.748



57, 61.850, 66.923



38, 7.051, 325.912



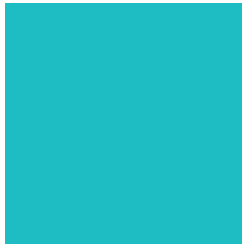
38, 79.553, 329.701



4, 23.425, 327.558

Previews

White Background



This preview shows how the CIELCh color 70, 38.088, 201.591 looks on a white background.

Color Contrast Check

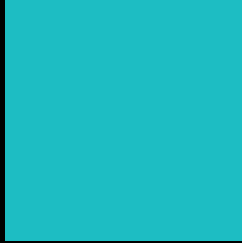
Large Text (above 18pt) WCAG AA × Fail

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, 38.088, 201.591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

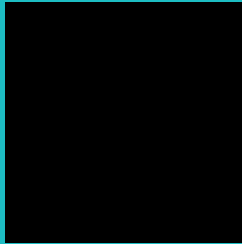
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

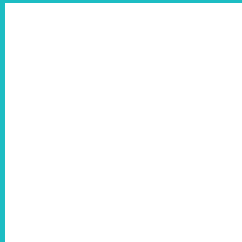
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 38.088, 201.591

Background



This preview shows how black text looks on a background with the CIELCh color 70, 38.088, 201.591.

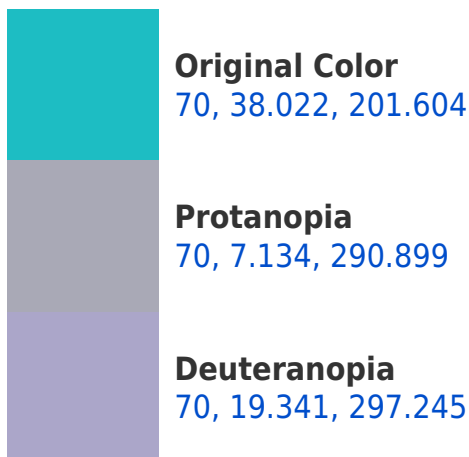


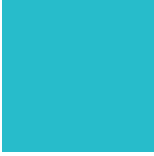
This preview shows how white text looks on a background with the CIELCh color 70, 38.088, 201.591.

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



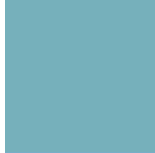


Tritanopia
70, 36.542, 209.963

Trichromacy



Original Color
70, 38.022, 201.604



Protanomaly
68, 19.761, 215.959



Deuteranomaly
68, 21.742, 237.894

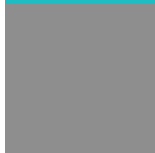


Tritanomaly
70, 36.972, 207.100

Monochromacy



Original Color
70, 38.022, 201.604



Achromatopsia
59, 0.008, 296.813



Achromatomaly
62, 19.633, 201.021

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 38.088, 201.591 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(29, 189, 195)` looks like.

```
.text, #text, p{  
    color:rgb(29, 189, 195)  
}
```

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(29, 189, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 189, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 38.088, 201.591 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(29, 189, 195) }
```

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

```
.border{ border-color:rgb(29, 189, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 189, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 189, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 189, 195);  
box-shadow:4px 4px 4px 4px rgb(29, 189,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 38.088, 201.591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 189, 195) }
```

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

```
.background{ background-color: rgb(29, 189,  
195) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor