

Converting Colors

CIELCh(70, 38.155, 210.171)

Have a look what the booklet for
CIELCh(70, 38.155, 210.171)
contains.

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Color

CIELCh(70, 38.193, 210.142)

Conversions

Conversions Part 1

Format	Color
Hex	0CBDCD
RGB	12, 189, 205
RGB Percent	5%, 74%, 80%
CMY	0.9541, 0.2599, 0.1971
CMYK	0.94, 0.08, 0.00, 0.20
HSL	185°, 89%, 42%
HSV	185°, 94%, 80%
XYZ	29.2733, 40.7494, 63.9085
YIQ	137.9010, -110.6280, -32.5480

Conversions

Conversions Part 2

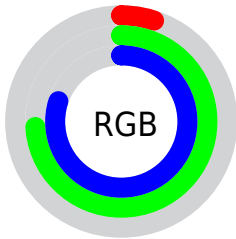
Format	Color
RYB	12, 104, 205
Decimal	835021
CIELab	70.00, -33.03, -19.18
CIElCh	70, 38.193, 210.142
Yxy	40.7494, 0.2186, 0.3043
Android (android.graphics.Color)	4279025101 (0xFF0CBDCD)
YUV	137.9010, 33.0798, -110.4152
Hunter-Lab	63.8353, -29.8561, -14.6734

Details

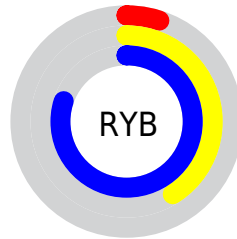
The CIELCh color **70, 38.193, 210.142** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **44, 84.011, 39.827**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 38.522, 204.119**, and **51, 30.095, 215.064** is the 20% darker color. If you saturate the color by 10%, you get **70, 38.355, 210.922**, and if you desaturate by 10%, it is **71, 37.492, 208.934**.

Distribution



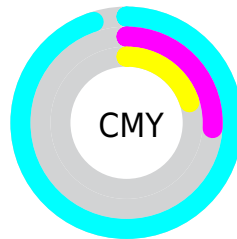
- Red (5%)
- Green (74%)
- Blue (80%)



- Red (5%)
- Yellow (41%)
- Blue (80%)



- Cyan (94%)
- Magenta (8%)
- Yellow (0%)
- Black (20%)





- Cyan (95%)
- Magenta (26%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 38.193, 210.142 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, 38.193, 210.142 by changing the saturation by 10% instead.

 70, 38.193,
210.142

 70, 38.193,
210.142


 100, 38.193,
210.142


 60, 38.193,
210.142


 90, 38.193,
210.142

 50, 38.193,
210.142

 40, 38.193,
210.142

 30, 38.193,
210.142

 20, 38.193,
210.142

 10, 38.193,
210.142

 0, 38.193, 210.142

■ 70, 38.193,
210.142

■ 70, 38.193,
210.142

■ 70, 38.355,
210.922

■ 71, 37.492,
208.934

■ 71, 35.967,
208.002

■ 72, 33.549,
207.319

■ 74, 30.237,
206.857

■ 75, 26.079,
206.586

■ 76, 21.161,
206.475

■ 78, 15.586,
206.500

■ 80, 9.466, 206.646

Harmonies

Complementary

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



70, 38.193, 210.142



44, 84.011, 39.827

Rectangle

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



70, 38.193, 210.142



70, 38.193, 260.142



70, 38.193, 30.142



70, 38.193, 80.142

Sweetspot

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



70, 38.192, 210.141



94, 21.160, 206.474



72, 98.614, 136.874



49, 14.355, 206.470



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, 38.192, 210.141



85, 45.213, 211.130



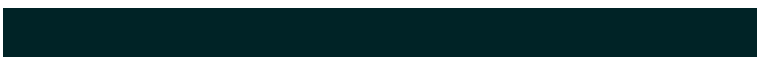
42, 65.891, 287.936



42, 3.801, 206.768



57, 32.820, 210.682



12, 12.428, 207.462

Inverse Universe

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



48, 90.985, 331.633



59, 108.152, 331.911



59, 68.534, 67.638



40, 7.123, 327.270



38, 78.482, 331.801



5, 27.162, 330.360

Previews

White Background



This preview shows how the CIELCh color 70, 38.193, 210.142 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, 38.193, 210.142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

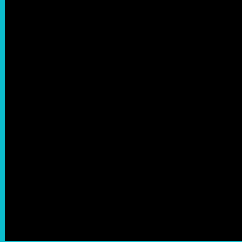
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 38.193, 210.142

Background



This preview shows how black text looks on a background with the CIELCh color 70, 38.193, 210.142.

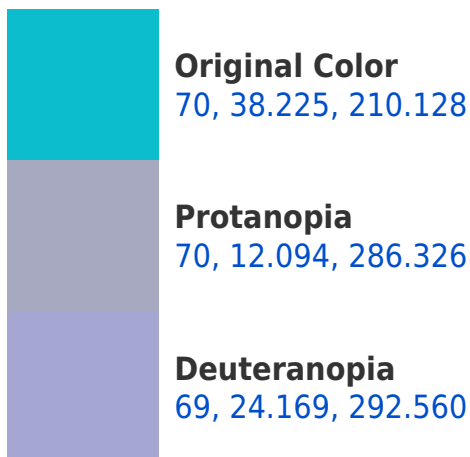


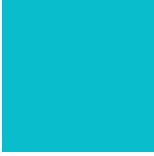
This preview shows how white text looks on a background with the CIELCh color 70, 38.193, 210.142.

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, 38.343, 209.212

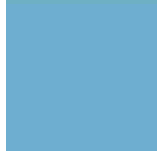
Trichromacy



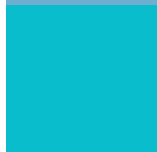
Original Color
70, 38.225, 210.128



Protanomaly
68, 22.988, 226.833



Deuteranomaly
68, 26.207, 244.321



Tritanomaly
70, 38.315, 209.223

Monochromacy



Original Color
70, 38.225, 210.128



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 21.170, 206.895

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 38.193, 210.142 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(12, 189, 205)` looks like.

```
.text, #text, p{  
    color:rgb(12, 189, 205)  
}
```

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(12, 189, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 189, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 38.193, 210.142 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(12, 189, 205) }
```

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

```
.border{ border-color:rgb(12, 189, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 189, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 189, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 189, 205);  
box-shadow:4px 4px 4px 4px rgb(12, 189,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 38.193, 210.142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 189, 205) }
```

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

```
.background{ background-color: rgb(12, 189,  
205) }
```

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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