

Converting Colors

CIELCh(70, 38.128, 214.969)

Have a look what the booklet for
CIELCh(70, 38.128, 214.969)
contains.

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Color

CIELCh(70, 38.096, 215.507)

Conversions

Conversions Part 1

Format	Color
Hex	0CBCD2
RGB	12, 188, 210
RGB Percent	5%, 74%, 82%
CMY	0.9544, 0.2623, 0.1760
CMYK	0.94, 0.10, 0.00, 0.18
HSL	187°, 90%, 43%
HSV	187°, 94%, 82%
XYZ	29.8009, 40.7494, 67.3434
YIQ	137.8840, -111.9580, -30.4700

Conversions

Conversions Part 2

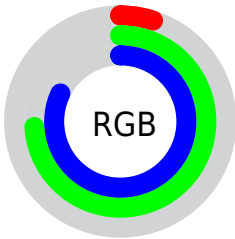
Format	Color
RYB	12, 105, 210
Decimal	834770
CIELab	70.00, -31.01, -22.13
CIELCh	70, 38.096, 215.507
Yxy	40.7494, 0.2161, 0.2955
Android (android.graphics.Color)	4279024850 (0xFF0CBCD2)
YUV	137.8840, 35.5532, -110.4003
Hunter-Lab	63.8353, -28.3806, -17.8636

Details

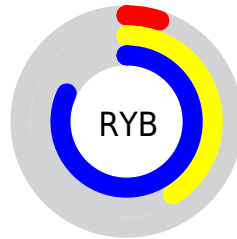
The CIELCh color **70, 38.096, 215.507** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **45, 85.150, 40.485**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 38.099, 205.029**, and **51, 30.187, 221.164** is the 20% darker color. If you saturate the color by 10%, you get **70, 38.255, 216.592**, and if you desaturate by 10%, it is **71, 37.408, 213.761**.

Distribution



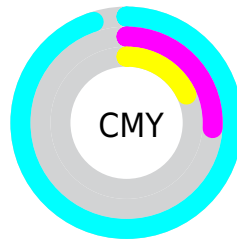
- Red (5%)
- Green (74%)
- Blue (82%)



- Red (5%)
- Yellow (41%)
- Blue (82%)



- Cyan (94%)
- Magenta (10%)
- Yellow (0%)
- Black (18%)





- Cyan (95%)
- Magenta (26%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 38.096, 215.507 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, 38.096, 215.507 by changing the saturation by 10% instead.


 70, 38.096,
215.507

 70, 38.096,
215.507


 100, 38.096,
215.507


 60, 38.096,
215.507


 90, 38.096,
215.507

 50, 38.096,
215.507

 40, 38.096,
215.507

 30, 38.096,
215.507

 20, 38.096,
215.507

 10, 38.096,
215.507

 0, 38.096, 215.507

■ 70, 38.096,
215.507

■ 70, 38.096,
215.507

■ 70, 38.255,
216.592

■ 71, 37.408,
213.761

■ 72, 35.905,
212.384

■ 73, 33.511,
211.340

■ 74, 30.223,
210.583

■ 76, 26.090,
210.070

■ 77, 21.197,
209.759

■ 79, 15.648,
209.616

■ 81, 9.555, 209.618

Harmonies

Complementary

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



70, 38.096, 215.507



45, 85.150, 40.485

Rectangle

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



70, 38.096, 215.507



70, 38.096, 265.507



70, 38.096, 35.507



70, 38.096, 85.507

Sweetspot

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



70, 38.095, 215.506



93, 20.662, 209.653



74, 99.568, 137.302



49, 14.018, 209.722



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, 38.095, 215.506



83, 44.235, 216.848



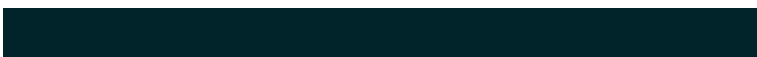
42, 71.643, 290.646



43, 3.787, 209.680



57, 32.465, 216.240



12, 12.618, 211.956

Inverse Universe

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



49, 90.876, 332.953



59, 105.765, 333.313



62, 69.728, 70.576



41, 7.130, 328.124



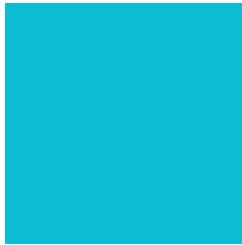
39, 77.658, 333.164



5, 28.576, 331.767

Previews

White Background



This preview shows how the CIELCh color 70, 38.096, 215.507 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, 38.096, 215.507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

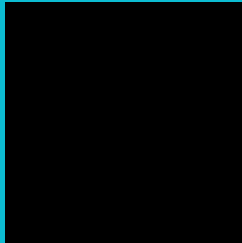
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 38.096, 215.507

Background



This preview shows how black text looks on a background with the CIELCh color 70, 38.096, 215.507.



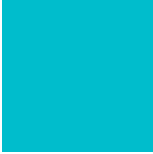
This preview shows how white text looks on a background with the CIELCh color 70, 38.096, 215.507.

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



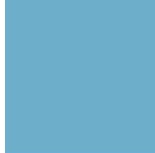


Tritanopia
70, 38.601, 209.110

Trichromacy



Original Color
70, 38.066, 215.523



Protanomaly
68, 24.530, 235.752



Deuteranomaly
68, 28.030, 247.018



Tritanomaly
70, 38.432, 210.908

Monochromacy



Original Color
70, 38.066, 215.523



Achromatopsia
57, 0.007, 296.813



Achromatomaly
61, 21.193, 210.052

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 38.096, 215.507 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, 188, 210)` looks like.

```
.text, #text, p{  
    color:rgb(12, 188, 210)  
}
```

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, 188, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 188, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 38.096, 215.507 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, 188, 210) }
```

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

```
.border{ border-color:rgb(12, 188, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 188, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 188, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 188, 210);  
box-shadow:4px 4px 4px 4px rgb(12, 188,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 38.096, 215.507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 188, 210) }
```

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

```
.background{ background-color: rgb(12, 188,  
210) }
```

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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