

Converting Colors

CIELCh(70, 39.094, 225.268)

Have a look what the booklet for
CIELCh(70, 39.094, 225.268)
contains.

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Color

CIELCh(70, 38.978, 225.031)

Conversions

Conversions Part 1

Format	Color
Hex	01BBDC
RGB	1, 187, 220
RGB Percent	0%, 73%, 86%
CMY	0.9980, 0.2663, 0.1369
CMYK	1.00, 0.15, 0.00, 0.14
HSL	189°, 100%, 43%
HSV	189°, 100%, 86%
XYZ	30.7223, 40.7494, 74.0142
YIQ	135.1480, -121.4490, -29.1690

Conversions

Conversions Part 2

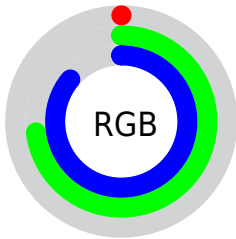
Format	Color
RYB	1, 102, 220
Decimal	113628
CIELab	70.00, -27.55, -27.58
CIELCh	70, 38.978, 225.031
Yxy	40.7494, 0.2112, 0.2801
Android (android.graphics.Color)	4278303708 (0xFF01BBDC)
YUV	135.1480, 41.8320, -117.6478
Hunter-Lab	63.8353, -25.8042, -24.0594

Details

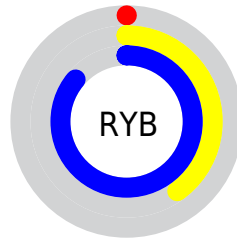
The CIELCh color **70, 38.978, 225.031** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **47, 90.622, 41.917**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 37.627, 206.800**, and **51, 31.612, 233.888** is the 20% darker color. If you saturate the color by 10%, you get **70, 38.987, 225.095**, and if you desaturate by 10%, it is **71, 38.463, 222.262**.

Distribution



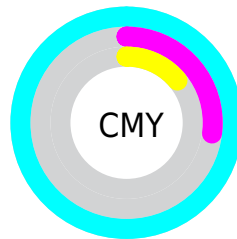
- Red (0%)
- Green (73%)
- Blue (86%)



- Red (0%)
- Yellow (40%)
- Blue (86%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (14%)





- Cyan (100%)
- Magenta (27%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 38.978, 225.031 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, 38.978, 225.031 by changing the saturation by 10% instead.


 70, 38.978,
225.031


 70, 38.978,
225.031


 100, 38.978,
225.031


 60, 38.978,
225.031


 90, 38.978,
225.031

 50, 38.978,
225.031

 40, 38.978,
225.031

 30, 38.978,
225.031

 20, 38.978,
225.031

 10, 38.978,
225.031

 0, 38.978, 225.031

■ 70, 38.978,
225.031

■ 70, 38.978,
225.031

■ 70, 38.987,
225.095

■ 71, 38.463,
222.262

■ 72, 37.306,
219.959

■ 74, 35.308,
218.139

■ 75, 32.419,
216.743

■ 77, 28.660,
215.703

■ 79, 24.096,
214.958

■ 81, 18.824,
214.454

■ 83, 12.952,

214.147

■ 85, 6.592, 214.021

Harmonies

Complementary

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



70, 38.978, 225.031



47, 90.622, 41.917

Rectangle

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



70, 38.978, 225.031



70, 38.978, 275.031



70, 38.978, 45.031



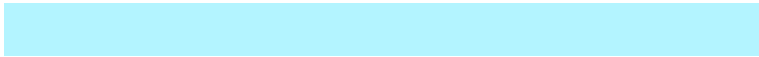
70, 38.978, 95.031

Sweetspot

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



70, 38.977, 225.031



92, 21.335, 214.473



77, 103.391, 137.488



48, 14.305, 214.665



0, 0.000, 0.000



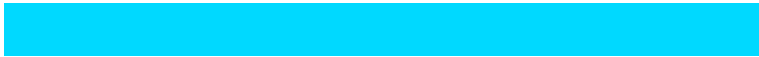
53, 0.007, 296.813

Same Dimension

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



70, 38.977, 225.031



80, 43.566, 225.367



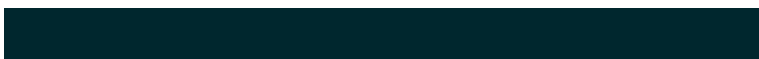
39, 86.026, 296.001



45, 3.822, 214.020



56, 32.645, 224.574



14, 13.225, 219.094

Inverse Universe

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



50, 91.801, 335.357



58, 102.521, 335.444



66, 73.746, 73.750



43, 7.213, 329.390



40, 76.995, 335.242



7, 31.093, 333.805

Previews

White Background



This preview shows how the CIE LCh color 70, 38.978, 225.031 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, 38.978, 225.031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

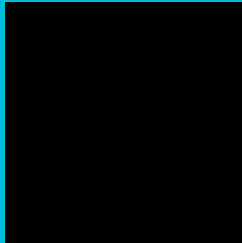
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 38.978, 225.031

Background



This preview shows how black text looks on a background with the CIELCh color 70, 38.978, 225.031.

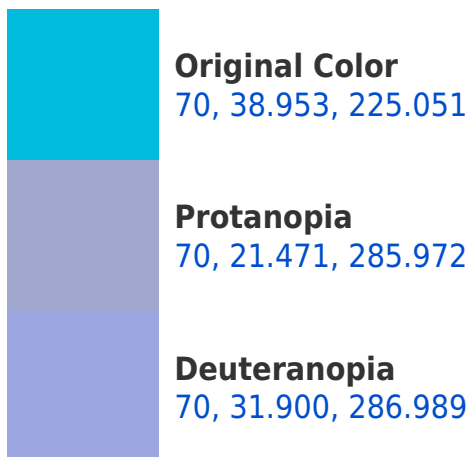


This preview shows how white text looks on a background with the CIELCh color 70, 38.978, 225.031.

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



Trichromacy

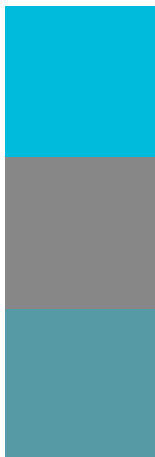


Original Color
70, 38.953, 225.051

Protanomaly
68, 28.495, 244.286

Deuteranomaly
68, 33.145, 253.495

Monochromacy



Original Color
70, 38.953, 225.051

Achromatopsia
56, 0.007, 296.813

Achromatomaly
60, 22.365, 215.451

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 38.978, 225.031 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(1, 187, 220)` looks like.

```
.text, #text, p{  
    color:rgb(1, 187, 220)  
}
```

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(1, 187, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 187, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 38.978, 225.031 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(1, 187, 220) }
```

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

```
.border{ border-color:rgb(1, 187, 220) }
```

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

Here you see how a box with a 4 pixel rgb(1, 187, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 187, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 187, 220);  
box-shadow:4px 4px 4px 4px rgb(1, 187,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 38.978, 225.031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 187, 220) }
```

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

```
.background{ background-color: rgb(1, 187,  
220) }
```

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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