

Converting Colors

CIELCh(66, 61.437, 213.580)

Have a look what the booklet for
CIELCh(66, 61.437, 213.580)
contains.

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Color

CIELCh(70, 38.956, 226.026)

Conversions

Conversions Part 1

Format	Color
Hex	05BBDD
RGB	5, 187, 221
RGB Percent	2%, 73%, 87%
CMY	0.9793, 0.2670, 0.1336
CMYK	0.98, 0.15, 0.00, 0.13
HSL	189°, 95%, 44%
HSV	189°, 98%, 87%
XYZ	30.8563, 40.7494, 74.5944
YIQ	136.4580, -119.3860, -28.0100

Conversions

Conversions Part 2

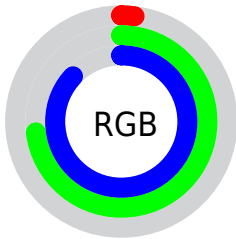
Format	Color
RYB	5, 104, 221
Decimal	375773
CIELab	70.00, -27.05, -28.03
CIELCh	70, 38.956, 226.026
Yxy	40.7494, 0.2111, 0.2787
Android (android.graphics.Color)	4278565853 (0xFF05BBDD)
YUV	136.4580, 41.6792, -115.2887
Hunter-Lab	63.8353, -25.4294, -24.5984

Details

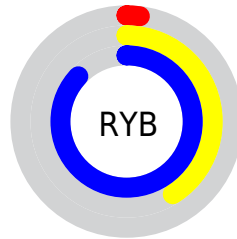
The CIELCh color **70, 38.956, 226.026** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **48, 89.220, 41.895**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 37.627, 206.800**, and **51, 31.819, 234.960** is the 20% darker color. If you saturate the color by 10%, you get **70, 39.071, 226.743**, and if you desaturate by 10%, it is **71, 38.308, 223.173**.

Distribution



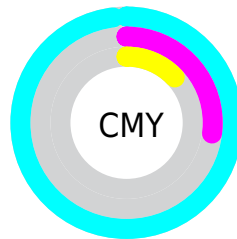
- Red (2%)
- Green (73%)
- Blue (87%)



- Red (2%)
- Yellow (41%)
- Blue (87%)



- Cyan (98%)
- Magenta (15%)
- Yellow (0%)
- Black (13%)





- Cyan (98%)
- Magenta (27%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 38.956, 226.026 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, 38.956, 226.026 by changing the saturation by 10% instead.


 70, 38.956,
226.026


 70, 38.956,
226.026


 100, 38.956,
226.026


 60, 38.956,
226.026


 90, 38.956,
226.026

 50, 38.956,
226.026

 40, 38.956,
226.026

 30, 38.956,
226.026

 20, 38.956,
226.026

 10, 38.956,
226.026

 0, 38.956, 226.026

70, 38.956,
226.026

70, 38.956,
226.026

70, 39.071,
226.743

71, 38.308,
223.173

73, 36.948,
220.845

74, 34.740,
219.011

76, 31.648,
217.607

77, 27.702,
216.561

79, 22.976,
215.811

82, 17.570,
215.300

84, 11.592,

214.988

■ 86, 5.152, 214.871

Harmonies

Complementary

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



70, 38.956, 226.026



48, 89.220, 41.895

Rectangle

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



70, 38.956, 226.026



70, 38.956, 276.026



70, 38.956, 46.026



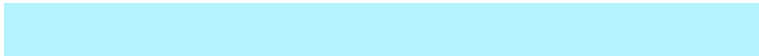
70, 38.956, 96.026

Sweetspot

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



70, 38.955, 226.026



92, 20.605, 215.369



77, 102.820, 137.722



48, 13.898, 215.576



0, 0.000, 0.000



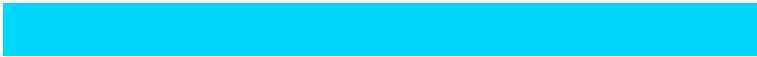
53, 0.007, 296.813

Same Dimension

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



70, 38.955, 226.026



79, 43.540, 227.022



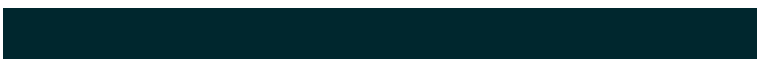
40, 84.275, 295.266



45, 3.802, 214.873



56, 32.614, 226.185



13, 13.188, 220.390

Inverse Universe

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



51, 91.369, 335.602



58, 101.923, 335.868



66, 73.344, 74.293



43, 7.175, 329.637



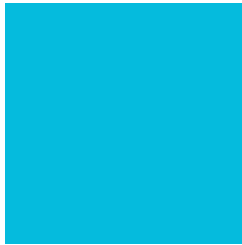
40, 76.557, 335.653



7, 30.929, 334.129

Previews

White Background



This preview shows how the CIE LCh color 70, 38.956, 226.026 looks on a white background.

Color Contrast Check

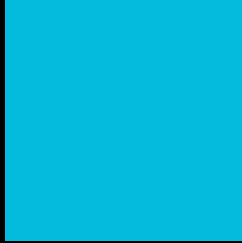
Large Text (above 18pt) WCAG AA × Fail

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, 38.956, 226.026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

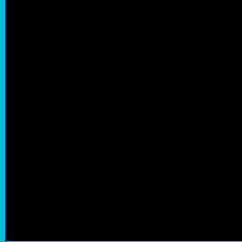
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 38.956, 226.026

Background



This preview shows how black text looks on a background with the CIELCh color 70, 38.956, 226.026.

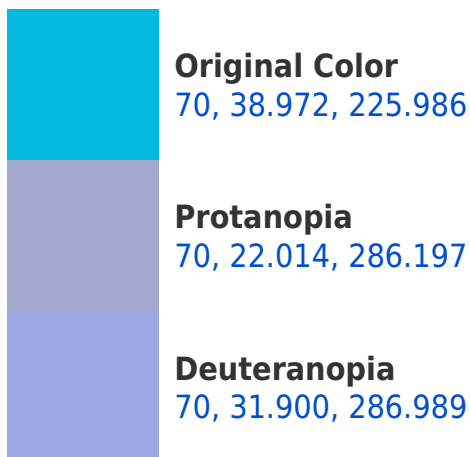


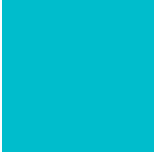
This preview shows how white text looks on a background with the CIELCh color 70, 38.956, 226.026.

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, 38.972, 225.986



Protanomaly
68, 28.660, 245.576



Deuteranomaly
68, 33.287, 254.847



Tritanomaly
70, 38.341, 215.367

Monochromacy



Original Color
70, 38.972, 225.986



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 22.134, 215.645

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 38.956, 226.026 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(5, 187, 221)` looks like.

```
.text, #text, p{  
    color:rgb(5, 187, 221)  
}
```

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(5, 187, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 187, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 38.956, 226.026 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(5, 187, 221) }
```

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

```
.border{ border-color:rgb(5, 187, 221) }
```

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

Here you see how a box with a 4 pixel rgb(5, 187, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 187, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 187, 221);  
box-shadow:4px 4px 4px 4px rgb(5, 187,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 38.956, 226.026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 187, 221) }
```

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

```
.background{ background-color: rgb(5, 187,  
221) }
```

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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