

Converting Colors

CIELCh(71, 38.969, 218.302)

Have a look what the booklet for
CIELCh(71, 38.969, 218.302)
contains.

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Color

CIELCh(71, 38.982, 218.515)

Conversions

Conversions Part 1

Format	Color
Hex	00BFD9
RGB	0, 191, 217
RGB Percent	0%, 75%, 85%
CMY	1.0000, 0.2516, 0.1496
CMYK	1.00, 0.12, 0.00, 0.15
HSL	187°, 100%, 43%
HSV	187°, 100%, 85%
XYZ	31.0879, 42.1875, 72.0401
YIQ	136.8550, -122.1820, -32.4060

Conversions

Conversions Part 2

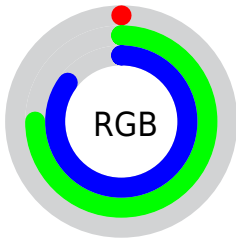
Format	Color
RYB	0, 102, 217
Decimal	49113
CIELab	71.00, -30.50, -24.27
CIELCh	71, 38.982, 218.515
Yxy	42.1875, 0.2139, 0.2903
Android (android.graphics.Color)	4278239193 (0xFF00BFD9)
YUV	136.8550, 39.5115, -120.0218
Hunter-Lab	64.9519, -28.2305, -20.2940

Details

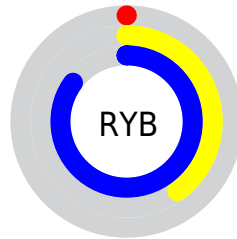
The CIELCh color **71, 38.982, 218.515** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **46, 90.562, 41.357**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **91, 39.040, 202.430**, and **52, 31.031, 225.267** is the 20% darker color. If you saturate the color by 10%, you get **71, 38.959, 218.529**, and if you desaturate by 10%, it is **72, 38.574, 216.412**.

Distribution



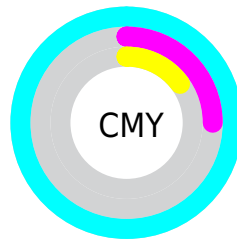
- Red (0%)
- Green (75%)
- Blue (85%)



- Red (0%)
- Yellow (40%)
- Blue (85%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (15%)





- Cyan (100%)
- Magenta (25%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 38.982, 218.515 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 71, 38.982, 218.515 by changing the saturation by 10% instead.


 71, 38.982,
218.515


 71, 38.982,
218.515


 100, 38.982,
218.515


 61, 38.982,
218.515


 91, 38.982,
218.515

 51, 38.982,
218.515

 41, 38.982,
218.515

 31, 38.982,
218.515

 21, 38.982,
218.515

 11, 38.982,
218.515

 1, 38.982, 218.515

■ 0, 38.982, 218.515

■ 71, 38.982,
218.515

■ 71, 38.982,
218.515

■ 71, 38.959,
218.529

■ 72, 38.574,
216.412

■ 73, 37.516,
214.662

■ 74, 35.587,
213.298

■ 75, 32.741,
212.273

■ 77, 29.001,
211.537

■ 79, 24.435,
211.043

■ 80, 19.141,
210.748

■ 82, 13.229,
210.618

■ 84, 6.814, 210.643

Harmonies

Complementary

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



71, 38.982, 218.515



46, 90.562, 41.357

Rectangle

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



71, 38.982, 218.515



71, 38.982, 268.515



71, 38.982, 38.515



71, 38.982, 88.515

Sweetspot

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



71, 38.959, 218.529



93, 21.807, 210.753



76, 103.482, 137.000



49, 14.618, 210.859



0, 0.000, 0.000



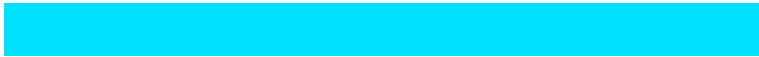
53, 0.007, 296.813

Same Dimension

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



71, 38.959, 218.529



82, 44.005, 218.761



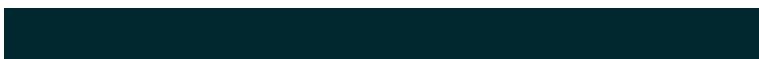
40, 80.535, 293.981



45, 3.910, 210.651



58, 33.007, 218.150



14, 13.437, 213.952

Inverse Universe

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



50, 92.993, 333.728



59, 105.008, 333.785



63, 73.145, 70.565



43, 7.368, 328.410



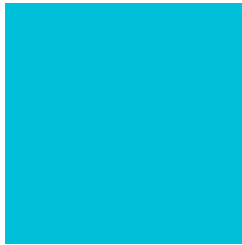
40, 78.821, 333.634



7, 31.771, 332.532

Previews

White Background



This preview shows how the CIE LCh color 71, 38.982, 218.515 looks on a white background.

Color Contrast Check

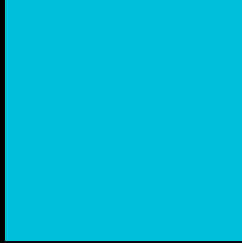
Large Text (above 18pt) WCAG AA × Fail

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 71, 38.982, 218.515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

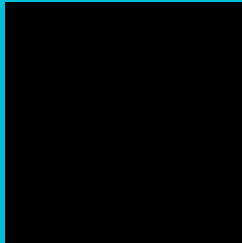
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 38.982, 218.515

Background



This preview shows how black text looks on a background with the CIELCh color 71, 38.982, 218.515.



This preview shows how white text looks on a background with the CIELCh color 71, 38.982, 218.515.

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



Original Color

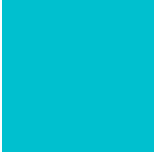
71, 38.982, 218.515

Protanopia

71, 17.554, 286.262

Deuteranopia

70, 29.024, 289.134

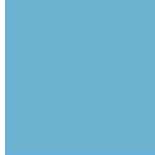


Tritanopia
71, 39.065, 208.919

Trichromacy



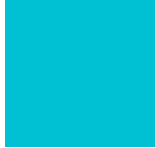
Original Color
71, 38.982, 218.515



Protanomaly
69, 26.454, 236.943



Deuteranomaly
69, 30.656, 249.206



Tritanomaly
71, 38.977, 212.368

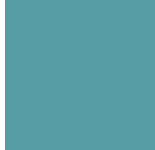
Monochromacy



Original Color
71, 38.982, 218.515



Achromatopsia
57, 0.007, 296.813



Achromatomaly
61, 22.715, 210.570

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 38.982, 218.515 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(0, 191, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 217)  
}
```

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(0, 191, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 38.982, 218.515 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(0, 191, 217) }
```

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

```
.border{ border-color:rgb(0, 191, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 191, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 38.982, 218.515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 217) }
```

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

```
.background{ background-color: rgb(0, 191,  
217) }
```

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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