

Converting Colors

CIELCh(71, 38.716, 229.852)

Have a look what the booklet for
CIELCh(71, 38.716, 229.852)
contains.

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Color

CIELCh(71, 38.769, 230.018)

Conversions

Conversions Part 1

Format	Color
Hex	21BDE3
RGB	33, 189, 227
RGB Percent	13%, 74%, 89%
CMY	0.8720, 0.2594, 0.1104
CMYK	0.86, 0.17, 0.00, 0.11
HSL	192°, 78%, 51%
HSV	192°, 86%, 89%
XYZ	32.6260, 42.1875, 78.9882
YIQ	146.6880, -105.1740, -21.2540

Conversions

Conversions Part 2

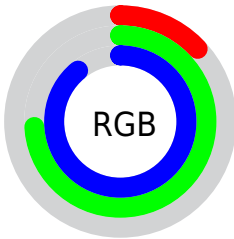
Format	Color
RYB	33, 119, 227
Decimal	2211299
CIELab	71.00, -24.91, -29.71
CIELCh	71, 38.769, 230.018
Yxy	42.1875, 0.2121, 0.2743
Android (android.graphics.Color)	4280401379 (0xFF21BDE3)
YUV	146.6880, 39.5938, -99.7044
Hunter-Lab	64.9519, -24.0034, -26.6364

Details

The CIELCh color **71, 38.769, 230.018** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed azure. A complement of this color would be **53, 79.954, 42.673**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 36.446, 205.485**, and **52, 32.736, 237.598** is the 20% darker color. If you saturate the color by 10%, you get **70, 39.824, 233.519**, and if you desaturate by 10%, it is **73, 37.026, 227.151**.

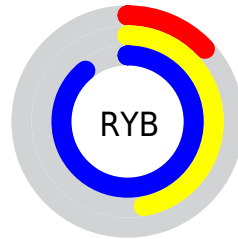
Distribution



Red (13%)

Green (74%)

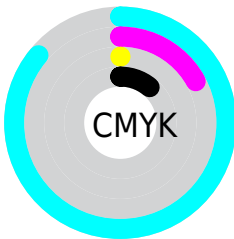
Blue (89%)



Red (13%)

Yellow (47%)

Blue (89%)

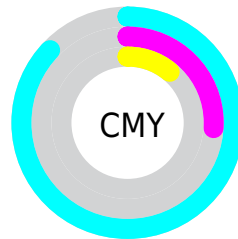


Cyan (86%)

Magenta (17%)

Yellow (0%)

Black (11%)



Cyan (87%)


Magenta (26%)


Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 38.769, 230.018 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, 38.769, 230.018 by changing the saturation by 10% instead.


 71, 38.769,
230.018


 71, 38.769,
230.018


 100, 38.769,
230.018


 61, 38.769,
230.018


 91, 38.769,
230.018

 51, 38.769,
230.018

 41, 38.769,
230.018

 31, 38.769,
230.018

 21, 38.769,
230.018

 11, 38.769,
230.018

 1, 38.769, 230.018

■ 0, 38.769, 230.018

■ 71, 38.769,
230.018

■ 71, 38.769,
230.018

■ 70, 39.824,
233.519

■ 73, 37.026,
227.151

■ 69, 40.184,
235.182

■ 74, 34.479,
224.871

■ 76, 31.094,
223.098

■ 79, 26.902,
221.747

■ 81, 21.976,
220.740

■ 83, 16.416,
220.012

■ 86, 10.326,
219.514

■ 89, 3.809, 219.263

■ 91, 3.043, 38.693

Harmonies

Complementary

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



71, 38.769, 230.018



53, 79.954, 42.673

Rectangle

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



71, 38.769, 230.018



71, 38.769, 280.018



71, 38.769, 50.018



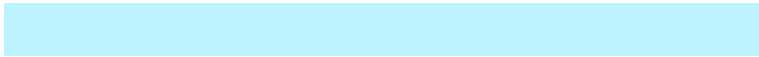
71, 38.769, 100.018

Sweetspot

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



71, 38.768, 230.018



92, 18.291, 220.047



79, 96.555, 140.176



48, 12.244, 220.277



0, 0.000, 0.000



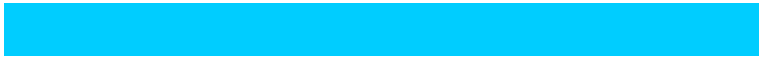
53, 0.007, 296.813

Same Dimension

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



71, 38.768, 230.018



77, 43.926, 235.462



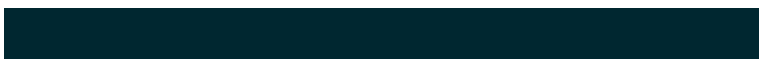
44, 78.728, 292.967



46, 3.787, 219.317



54, 33.185, 234.465



14, 13.540, 227.533

Inverse Universe

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



53, 88.737, 336.570



58, 98.997, 338.127



72, 70.899, 80.095



44, 7.119, 330.935



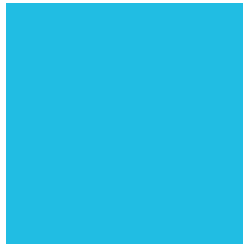
40, 75.200, 337.851



7, 31.471, 335.989

Previews

White Background



This preview shows how the CIELCh color 71, 38.769, 230.018 looks on a white background.

Color Contrast Check

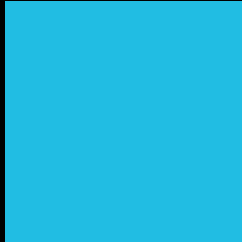
Large Text (above 18pt) WCAG AA × Fail

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, 38.769, 230.018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

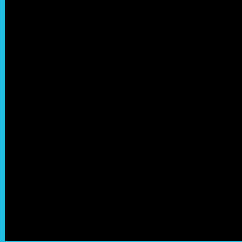
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 38.769, 230.018

Background



This preview shows how black text looks on a background with the CIELCh color 71, 38.769, 230.018.



This preview shows how white text looks on a background with the CIELCh color 71, 38.769, 230.018.

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

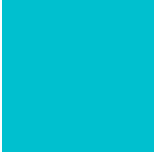
71, 38.769, 230.018

Protanopia

71, 23.626, 285.190

Deuteranopia

71, 33.500, 285.865



Tritanopia
71, 39.065, 208.919

Trichromacy



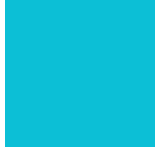
Original Color
71, 38.769, 230.018



Protanomaly
70, 28.701, 252.395



Deuteranomaly
70, 33.222, 258.353



Tritanomaly
71, 38.548, 216.105

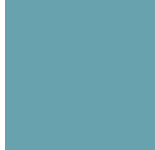
Monochromacy



Original Color
71, 38.769, 230.018



Achromatopsia
61, 0.008, 296.813



Achromatomaly
63, 19.760, 219.706

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 38.769, 230.018 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(33, 189, 227)` looks like.

```
.text, #text, p{  
    color:rgb(33, 189, 227)  
}
```

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(33, 189, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 189, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 38.769, 230.018 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(33, 189, 227) }
```

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

```
.border{ border-color:rgb(33, 189, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 189, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 189, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 189, 227);  
box-shadow:4px 4px 4px 4px rgb(33, 189,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 38.769, 230.018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 189, 227) }
```

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

```
.background{ background-color: rgb(33, 189,  
227) }
```

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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