

Converting Colors

CIELCh(70, 47.303, 220.701)

Have a look what the booklet for
CIELCh(70, 47.303, 220.701)
contains.

CIELCh(71, 39.751, 226.151)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(71, 39.751, 226.151)

Conversions

Conversions Part 1

Format	Color
Hex	00BEE1
RGB	0, 190, 225
RGB Percent	0%, 75%, 88%
CMY	1.0000, 0.2552, 0.1180
CMYK	1.00, 0.16, 0.00, 0.12
HSL	189°, 100%, 44%
HSV	189°, 100%, 88%
XYZ	31.8971, 42.1875, 77.6255
YIQ	137.1800, -124.4750, -29.3950

Conversions

Conversions Part 2

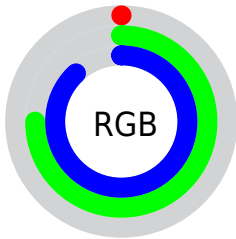
Format	Color
RYB	0, 103, 225
Decimal	48865
CIELab	71.00, -27.54, -28.67
CIELCh	71, 39.751, 226.151
Yxy	42.1875, 0.2103, 0.2781
Android (android.graphics.Color)	4278238945 (0xFF00BEE1)
YUV	137.1800, 43.2953, -120.3069
Hunter-Lab	64.9519, -26.0067, -25.3925

Details

The CIELCh color **71, 39.751, 226.151** 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 **49, 92.141, 42.037**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 38.425, 203.346**, and **52, 32.407, 235.301** is the 20% darker color. If you saturate the color by 10%, you get **71, 39.604, 226.277**, and if you desaturate by 10%, it is **72, 39.067, 223.379**.

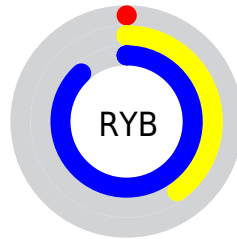
Distribution



Red (0%)

Green (75%)

Blue (88%)



Red (0%)

Yellow (40%)

Blue (88%)

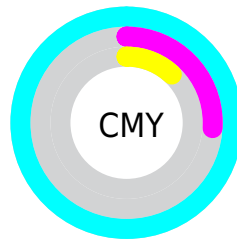


Cyan (100%)

Magenta (16%)

Yellow (0%)

Black (12%)



Cyan (100%)


Magenta (26%)


Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 39.751, 226.151 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, 39.751, 226.151 by changing the saturation by 10% instead.


 71, 39.751,
226.151


 71, 39.751,
226.151


 100, 39.751,
226.151


 61, 39.751,
226.151


 91, 39.751,
226.151

 51, 39.751,
226.151

 41, 39.751,
226.151

 31, 39.751,
226.151

 21, 39.751,
226.151

 11, 39.751,
226.151

 1, 39.751, 226.151

■ 0, 39.751, 226.151

■ 71, 39.751,
226.151

■ 71, 39.751,
226.151

■ 71, 39.604,
226.277

■ 72, 39.067,
223.379

■ 73, 37.896,
220.960

■ 75, 35.879,
219.043

■ 77, 32.964,
217.567

■ 78, 29.167,
216.462

■ 80, 24.553,
215.664

■ 82, 19.219,
215.116

■ 85, 13.277,
214.772

■ 87, 6.836, 214.613

Harmonies

Complementary

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



71, 39.751, 226.151



49, 92.141, 42.037

Rectangle

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



71, 39.751, 226.151



71, 39.751, 276.151



71, 39.751, 46.151



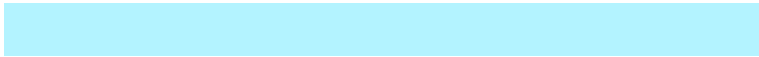
71, 39.751, 96.151

Sweetspot

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



71, 39.604, 226.277



92, 21.263, 215.125



78, 105.222, 137.447



48, 14.258, 215.332



0, 0.000, 0.000



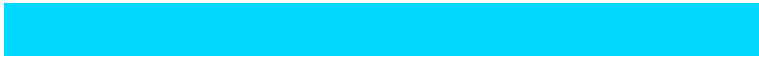
53, 0.007, 296.813

Same Dimension

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



71, 39.604, 226.277



80, 43.544, 226.515



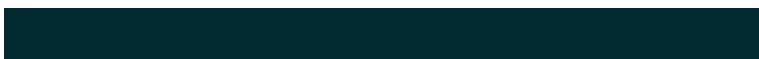
40, 87.775, 296.126



46, 3.880, 214.611



57, 32.975, 225.728



14, 13.637, 220.330

Inverse Universe

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



52, 92.938, 335.676



58, 102.105, 335.738



67, 75.026, 73.650



44, 7.324, 329.563



40, 77.514, 335.536



7, 32.341, 334.159

Previews

White Background



This preview shows how the CIE LCh color 71, 39.751, 226.151 looks on a white background.

Color Contrast Check

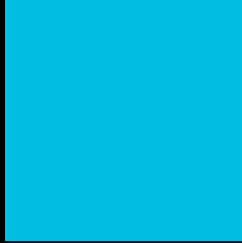
Large Text (above 18pt) WCAG AA × Fail

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, 39.751, 226.151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

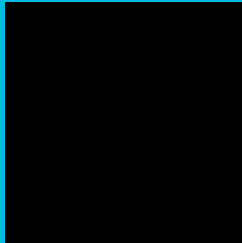
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 39.751, 226.151

Background



This preview shows how black text looks on a background with the CIELCh color 71, 39.751, 226.151.

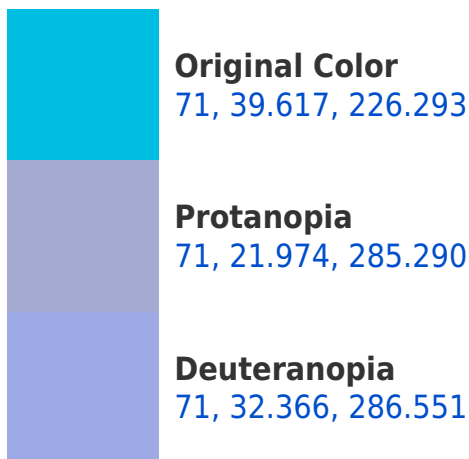


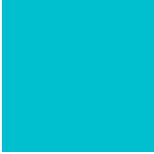
This preview shows how white text looks on a background with the CIELCh color 71, 39.751, 226.151.

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](#).

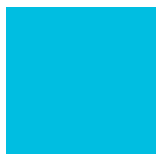
Dichromacy





Tritanopia
71, 39.065, 208.919

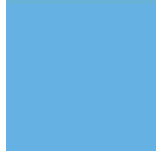
Trichromacy



Original Color
71, 39.617, 226.293



Protanomaly
69, 29.123, 244.388



Deuteranomaly
69, 34.010, 254.431

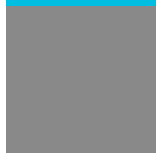


Tritanomaly
71, 38.867, 215.920

Monochromacy



Original Color
71, 39.617, 226.293



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 22.688, 216.672

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 39.751, 226.151 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, 190, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 225)  
}
```

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, 190, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 39.751, 226.151 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, 190, 225) }
```

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

```
.border{ border-color:rgb(0, 190, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 190, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 39.751, 226.151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 190, 225) }
```

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

```
.background{ background-color: rgb(0, 190,  
225) }
```

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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