

Converting Colors

CIELCh(67, 70.188, 205.838)

Have a look what the booklet for
CIELCh(67, 70.188, 205.838)
contains.

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Color

CIELCh(71, 39.045, 216.686)

Conversions

Conversions Part 1

Format	Color
Hex	00BFD7
RGB	0, 191, 215
RGB Percent	0%, 75%, 84%
CMY	1.0000, 0.2505, 0.1565
CMYK	1.00, 0.11, 0.00, 0.16
HSL	187°, 100%, 42%
HSV	187°, 100%, 84%
XYZ	30.8692, 42.1875, 70.8706
YIQ	136.6270, -121.5400, -33.0280

Conversions

Conversions Part 2

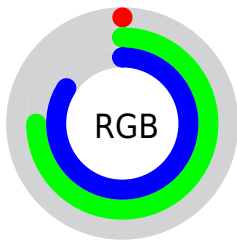
Format	Color
RYB	0, 101, 215
Decimal	49111
CIELab	71.00, -31.31, -23.33
CIELCh	71, 39.045, 216.686
Yxy	42.1875, 0.2145, 0.2931
Android (android.graphics.Color)	4278239191 (0xFF00BFD7)
YUV	136.6270, 38.6379, -119.8219
Hunter-Lab	64.9519, -28.8315, -19.2264

Details

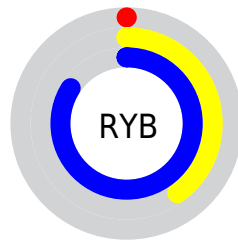
The CIELCh color **71, 39.045, 216.686** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **46, 90.204, 41.221**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **91, 39.040, 202.430**, and **52, 30.815, 222.982** is the 20% darker color. If you saturate the color by 10%, you get **71, 38.913, 216.763**, and if you desaturate by 10%, it is **72, 38.544, 214.828**.

Distribution



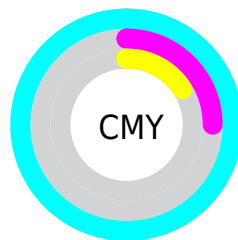
- Red (0%)
- Green (75%)
- Blue (84%)



- Red (0%)
- Yellow (40%)
- Blue (84%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (16%)





- Cyan (100%)
- Magenta (25%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 39.045, 216.686 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, 39.045, 216.686 by changing the saturation by 10% instead.


 71, 39.045,
216.686

 71, 39.045,
216.686


 100, 39.045,
216.686


 61, 39.045,
216.686


 91, 39.045,
216.686

 51, 39.045,
216.686

 41, 39.045,
216.686

 31, 39.045,
216.686

 21, 39.045,
216.686

 11, 39.045,
216.686

 1, 39.045, 216.686

0, 39.045, 216.686

71, 39.045,
216.686

71, 39.045,
216.686

71, 38.913,
216.763

72, 38.544,
214.828

73, 37.498,
213.231

74, 35.575,
211.993

75, 32.735,
211.071

77, 29.000,
210.419

78, 24.436,
209.993

■ 80, 19.143,
209.755

■ 82, 13.232,
209.674

■ 84, 6.815, 209.741

Harmonies

Complementary

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



71, 39.045, 216.686



46, 90.204, 41.221

Rectangle

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



71, 39.045, 216.686



71, 39.045, 266.686



71, 39.045, 36.686



71, 39.045, 86.686

Sweetspot

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



71, 38.913, 216.763



93, 21.952, 209.759



75, 103.342, 136.805



49, 14.714, 209.842



0, 0.000, 0.000



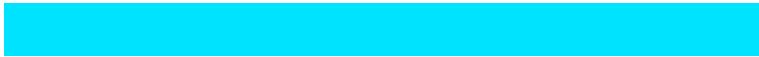
53, 0.007, 296.813

Same Dimension

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



71, 38.913, 216.763



83, 44.216, 216.988



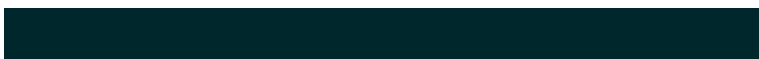
41, 77.686, 292.836



44, 3.861, 209.750



57, 32.811, 216.402



13, 13.064, 212.330

Inverse Universe

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



50, 93.047, 333.292



59, 105.709, 333.348



62, 72.872, 69.022



42, 7.269, 328.146



39, 78.478, 333.203



6, 30.372, 332.027

Previews

White Background



This preview shows how the CIE LCh color 71, 39.045, 216.686 looks on a white background.

Color Contrast Check

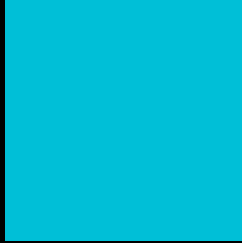
Large Text (above 18pt) WCAG AA × Fail

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, 39.045, 216.686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

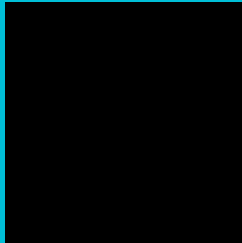
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 39.045, 216.686

Background



This preview shows how black text looks on a background with the CIELCh color 71, 39.045, 216.686.



This preview shows how white text looks on a background with the CIELCh color 71, 39.045, 216.686.

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, 38.897, 216.787

Protanopia

71, 16.443, 286.948

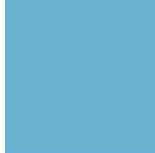
Deuteranopia

71, 27.913, 290.189

Trichromacy



Original Color
71, 38.897, 216.787



Protanomaly
69, 25.949, 234.706



Deuteranomaly
69, 29.814, 247.829

Monochromacy



Original Color
71, 38.897, 216.787



Achromatopsia
57, 0.007, 296.813



Achromatomaly
61, 22.697, 209.093

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 39.045, 216.686 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 39.045, 216.686 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, 215) }
```

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

```
.border{ border-color:rgb(0, 191, 215) }
```

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, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 39.045, 216.686 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, 215) }
```

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

```
.background{ background-color: rgb(0, 191,  
215) }
```

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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