

Converting Colors

CIELCh(69, 52.427, 232.224)

Have a look what the booklet for
CIELCh(69, 52.427, 232.224)
contains.

CIELCh(71, 42.995, 241.387)	3
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Color

CIELCh(71, 42.995, 241.387)

Conversions

Conversions Part 1

Format	Color
Hex	00BCF2
RGB	0, 188, 242
RGB Percent	0%, 74%, 95%
CMY	1.0000, 0.2641, 0.0524
CMYK	1.00, 0.22, 0.00, 0.05
HSL	193°, 100%, 47%
HSV	193°, 100%, 95%
XYZ	33.8491, 42.1875, 90.0678
YIQ	137.9440, -129.3820, -23.0620

Conversions

Conversions Part 2

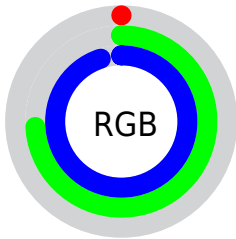
Format	Color
R _{YB}	0, 106, 242
Decimal	48370
CIE _{Lab}	71.00, -20.59, -37.74
CIE _{LCh}	71, 42.995, 241.387
Yxy	42.1875, 0.2038, 0.2540
Android (android.graphics.Color)	4278238450 (0xFF00BCF2)
YUV	137.9440, 51.2996, -120.9769
Hunter-Lab	64.9519, -20.6423, -36.7502

Details

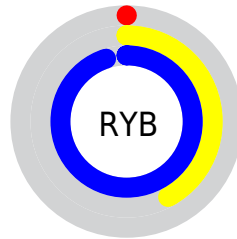
The CIELCh color **71, 42.995, 241.387** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **53, 94.851, 43.828**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 37.141, 206.120**, and **53, 37.197, 251.175** is the 20% darker color. If you saturate the color by 10%, you get **71, 42.954, 241.441**, and if you desaturate by 10%, it is **73, 41.700, 237.218**.

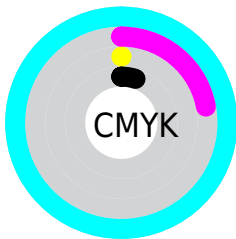
Distribution



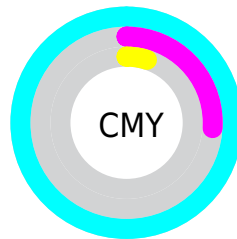
- Red (0%)
- Green (74%)
- Blue (95%)



- Red (0%)
- Yellow (42%)
- Blue (95%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (5%)





- Cyan (100%)
- Magenta (26%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 42.995, 241.387 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, 42.995, 241.387 by changing the saturation by 10% instead.


 71, 42.995,
241.387


 71, 42.995,
241.387


 100, 42.995,
241.387


 61, 42.995,
241.387


 91, 42.995,
241.387

 51, 42.995,
241.387

 41, 42.995,
241.387

 31, 42.995,
241.387

 21, 42.995,
241.387

 11, 42.995,
241.387

 1, 42.995, 241.387

■ 0, 42.995, 241.387

■ 71, 42.995,
241.387

■ 71, 42.995,
241.387

■ 71, 42.954,
241.441

■ 73, 41.700,
237.218

■ 75, 39.961,
233.595

■ 77, 37.496,
230.645

■ 79, 34.217,
228.302

■ 81, 30.118,
226.476

■ 84, 25.251,
225.077

■ 86, 19.704,
224.023

■ 89, 13.578,
223.249

■ 92, 6.978, 222.718

Harmonies

Complementary

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



71, 42.995, 241.387



53, 94.851, 43.828

Rectangle

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



71, 42.995, 241.387



71, 42.995, 291.387



71, 42.995, 61.387



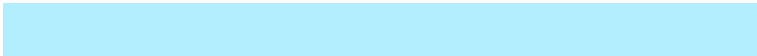
71, 42.995, 111.387

Sweetspot

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



71, 42.954, 241.441



91, 20.577, 224.031



84, 107.962, 138.637



47, 13.817, 224.440



0, 0.000, 0.000



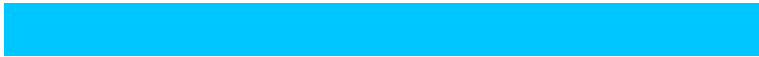
53, 0.007, 296.813

Same Dimension

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



71, 42.954, 241.441



75, 44.767, 241.581



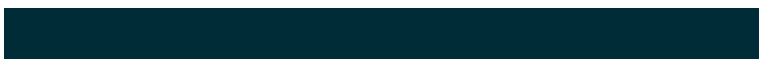
39, 102.948, 299.703



49, 3.945, 222.697



55, 34.848, 240.612



16, 14.935, 233.883

Inverse Universe

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



54, 93.134, 339.858



57, 96.966, 339.900



75, 79.698, 79.894



47, 7.369, 331.936



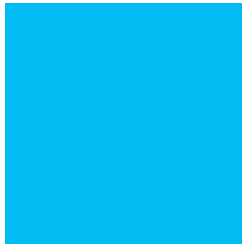
41, 76.012, 339.610



9, 33.949, 337.691

Previews

White Background



This preview shows how the CIE LCh color 71, 42.995, 241.387 looks on a white background.

Color Contrast Check

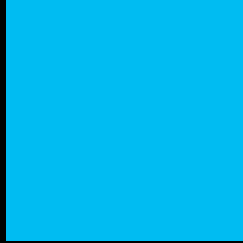
Large Text (above 18pt) WCAG AA × Fail

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, 42.995, 241.387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

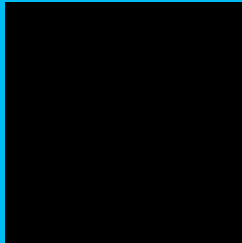
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 42.995, 241.387

Background



This preview shows how black text looks on a background with the CIELCh color 71, 42.995, 241.387.

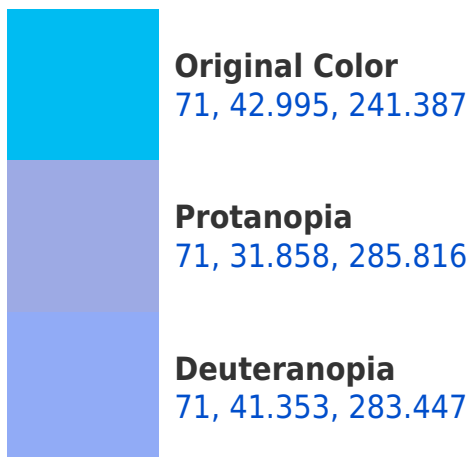


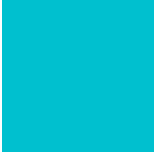
This preview shows how white text looks on a background with the CIELCh color 71, 42.995, 241.387.

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



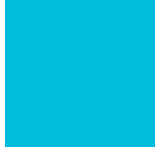
Original Color
71, 42.995, 241.387



Protanomaly
69, 36.415, 258.498



Deuteranomaly
70, 41.437, 261.872



Tritanomaly
71, 39.105, 222.068

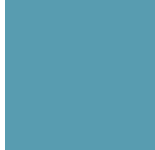
Monochromacy



Original Color
71, 42.995, 241.387



Achromatopsia
57, 0.007, 296.813



Achromatomaly
61, 23.383, 226.900

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 42.995, 241.387 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, 188, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 242)  
}
```

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, 188, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 42.995, 241.387 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, 188, 242) }
```

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

```
.border{ border-color:rgb(0, 188, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 188, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 42.995, 241.387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 242) }
```

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

```
.background{ background-color: rgb(0, 188,  
242) }
```

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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