

Converting Colors

CIELCh(67, 68.777, 232.188)

Have a look what the booklet for
CIELCh(67, 68.777, 232.188)
contains.

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Color

CIELCh(71, 46.999, 250.705)

Conversions

Conversions Part 1

Format	Color
Hex	00BAFE
RGB	0, 186, 254
RGB Percent	0%, 73%, 100%
CMY	1.0000, 0.2709, 0.0045
CMYK	1.00, 0.27, 0.00, 0.00
HSL	196°, 100%, 50%
HSV	196°, 100%, 100%
XYZ	35.3197, 42.1875, 99.9274
YIQ	138.1380, -132.6840, -18.2840

Conversions

Conversions Part 2

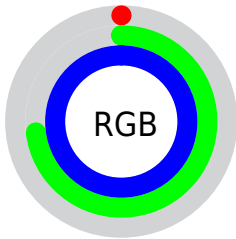
Format	Color
RYB	0, 107, 254
Decimal	47870
CIELab	71.00, -15.53, -44.36
CIELCh	71, 46.999, 250.705
Yxy	42.1875, 0.1991, 0.2378
Android (android.graphics.Color)	4278237950 (0xFF00BAFE)
YUV	138.1380, 57.1200, -121.1470
Hunter-Lab	64.9519, -16.6008, -45.7503

Details

The CIELCh color **71, 46.999, 250.705** 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 **57, 96.521, 45.377**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 36.318, 208.084**, and **53, 42.136, 260.860** is the 20% darker color. If you saturate the color by 10%, you get **71, 46.894, 250.878**, and if you desaturate by 10%, it is **73, 44.860, 246.068**.

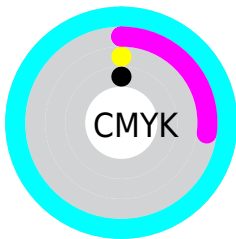
Distribution



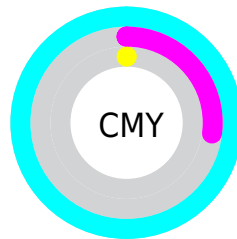
- Red (0%)
- Green (73%)
- Blue (100%)



- Red (0%)
- Yellow (42%)
- Blue (100%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (27%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 46.999, 250.705 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, 46.999, 250.705 by changing the saturation by 10% instead.


 71, 46.999,
250.705


 71, 46.999,
250.705


 100, 46.999,
250.705


 61, 46.999,
250.705


 91, 46.999,
250.705

 51, 46.999,
250.705

 41, 46.999,
250.705

 31, 46.999,
250.705

 21, 46.999,
250.705

 11, 46.999,
250.705

 1, 46.999, 250.705

0, 46.999, 250.705

71, 46.999,
250.705

71, 46.999,
250.705

71, 46.894,
250.878

73, 44.860,
246.068

75, 42.477,
241.843

78, 39.488,
238.330

81, 35.777,
235.486

83, 31.316,
233.228

86, 26.140,
231.458

■ 89, 20.327,
230.086

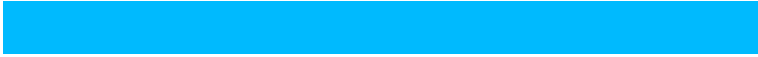
■ 93, 13.969,
229.036

■ 96, 7.164, 228.263

Harmonies

Complementary

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



71, 46.999, 250.705



57, 96.521, 45.377

Rectangle

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



71, 46.999, 250.705



71, 46.999, 300.705



71, 46.999, 70.705



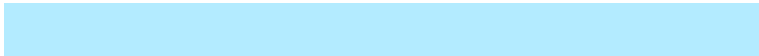
71, 46.999, 120.705

Sweetspot

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



71, 46.894, 250.878



90, 20.400, 230.087



88, 109.048, 139.799



46, 13.718, 230.622



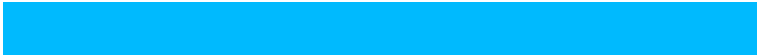
0, 0.000, 0.000



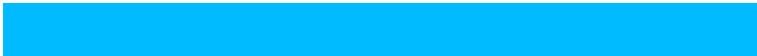
53, 0.007, 296.813

Same Dimension

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



71, 46.894, 250.878



71, 47.057, 250.890



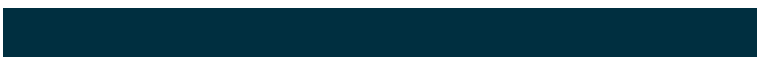
38, 114.269, 301.814



51, 4.093, 228.233



55, 37.669, 249.960



17, 16.710, 243.311

Inverse Universe

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



57, 93.649, 342.928



57, 93.964, 342.932



82, 83.885, 84.513



50, 7.512, 333.611



43, 75.922, 342.606



11, 35.721, 340.429

Previews

White Background



This preview shows how the CIE LCh color 71, 46.999, 250.705 looks on a white background.

Color Contrast Check

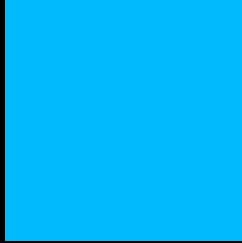
Large Text (above 18pt) WCAG AA × Fail

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, 46.999, 250.705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

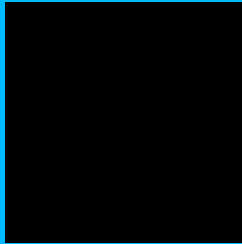
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

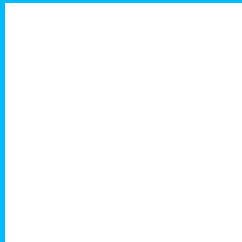
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 46.999, 250.705

Background



This preview shows how black text looks on a background with the CIELCh color 71, 46.999, 250.705.



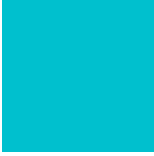
This preview shows how white text looks on a background with the CIELCh color 71, 46.999, 250.705.

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, 39.107, 208.060

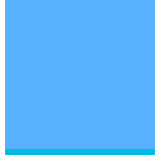
Trichromacy



Original Color
71, 46.923, 250.906



Protanomaly
70, 42.348, 264.634



Deuteranomaly
70, 46.614, 266.147



Tritanomaly
71, 39.389, 224.616

Monochromacy



Original Color
71, 46.923, 250.906



Achromatopsia
57, 0.007, 296.813



Achromatomaly
61, 24.222, 233.871

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 46.999, 250.705 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, 186, 254)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 254)  
}
```

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, 186, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 46.999, 250.705 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, 186, 254) }
```

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

```
.border{ border-color:rgb(0, 186, 254) }
```

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

Here you see how a box with a 4 pixel rgb(0, 186, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 254);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 46.999, 250.705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 254) }
```

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

```
.background{ background-color: rgb(0, 186,  
254) }
```

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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