

Converting Colors

CIELCh(71, 46.981, 246.325)

Have a look what the booklet for
CIELCh(71, 46.981, 246.325)
contains.

CIELCh(71, 45.725, 248.262)	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, 45.725, 248.262)

Conversions

Conversions Part 1

Format	Color
Hex	00BAFA
RGB	0, 186, 250
RGB Percent	0%, 73%, 98%
CMY	1.0000, 0.2690, 0.0182
CMYK	1.00, 0.26, 0.00, 0.02
HSL	195°, 100%, 49%
HSV	195°, 100%, 98%
XYZ	34.9072, 42.1875, 97.0470
YIQ	137.6820, -131.4000, -19.5280

Conversions

Conversions Part 2

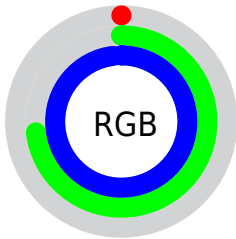
Format	Color
RYB	0, 107, 250
Decimal	47866
CIELab	71.00, -16.93, -42.47
CIELCh	71, 45.725, 248.262
Yxy	42.1875, 0.2005, 0.2423
Android (android.graphics.Color)	4278237946 (0xFF00BAFA)
YUV	137.6820, 55.3728, -120.7471
Hunter-Lab	64.9519, -17.7344, -43.1210

Details

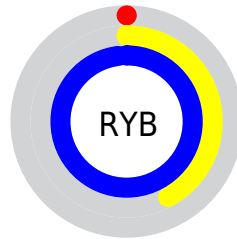
The CIELCh color **71, 45.725, 248.262** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **56, 96.061, 44.921**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 36.503, 208.018**, and **53, 40.479, 258.289** is the 20% darker color. If you saturate the color by 10%, you get **71, 45.663, 248.357**, and if you desaturate by 10%, it is **73, 43.868, 243.681**.

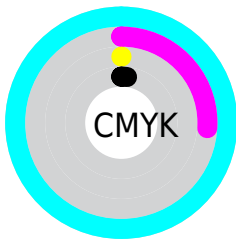
Distribution



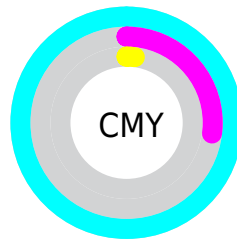
- Red (0%)
- Green (73%)
- Blue (98%)



- Red (0%)
- Yellow (42%)
- Blue (98%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (2%)





- Cyan (100%)
- Magenta (27%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 45.725, 248.262 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, 45.725, 248.262 by changing the saturation by 10% instead.


 71, 45.725,
248.262


 71, 45.725,
248.262


 100, 45.725,
248.262


 61, 45.725,
248.262


 91, 45.725,
248.262

 51, 45.725,
248.262

 41, 45.725,
248.262

 31, 45.725,
248.262

 21, 45.725,
248.262

 11, 45.725,
248.262

 1, 45.725, 248.262

■ 0, 45.725, 248.262

■ 71, 45.725,
248.262

■ 71, 45.725,
248.262

■ 71, 45.663,
248.357

■ 73, 43.868,
243.681

■ 75, 41.684,
239.602

■ 78, 38.857,
236.231

■ 80, 35.282,
233.516

■ 83, 30.934,
231.371

■ 86, 25.857,
229.699

■ 89, 20.127,
228.412

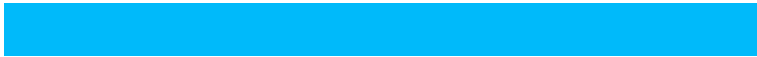
■ 92, 13.844,
227.436

■ 95, 7.105, 226.728

Harmonies

Complementary

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



71, 45.725, 248.262



56, 96.061, 44.921

Rectangle

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



71, 45.725, 248.262



71, 45.725, 298.262



71, 45.725, 68.262



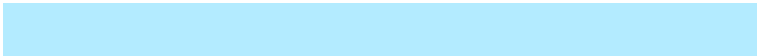
71, 45.725, 118.262

Sweetspot

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



71, 45.663, 248.357



90, 20.427, 228.415



86, 108.967, 139.383



47, 13.730, 228.917



0, 0.000, 0.000



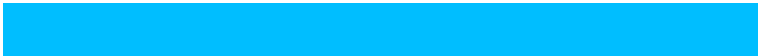
53, 0.007, 296.813

Same Dimension

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



71, 45.663, 248.357



72, 46.317, 248.408



39, 110.730, 301.165



50, 4.037, 226.700



55, 36.728, 247.451



17, 16.096, 240.679

Inverse Universe

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



56, 93.466, 342.058



57, 94.757, 342.075



80, 82.559, 82.985



49, 7.453, 333.141



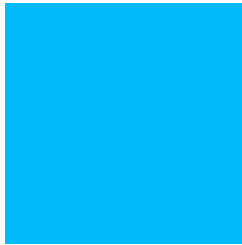
42, 75.807, 341.755



11, 35.091, 339.630

Previews

White Background



This preview shows how the CIE LCh color 71, 45.725, 248.262 looks on a white background.

Color Contrast Check

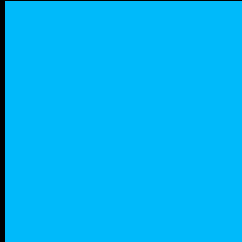
Large Text (above 18pt) WCAG AA × Fail

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, 45.725, 248.262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

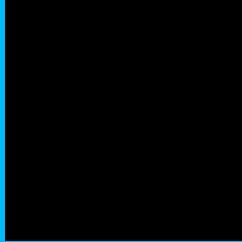
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

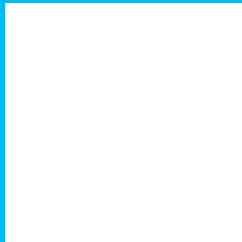
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 45.725, 248.262

Background



This preview shows how black text looks on a background with the CIELCh color 71, 45.725, 248.262.

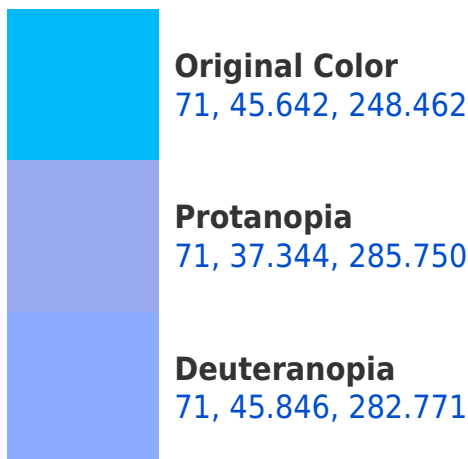


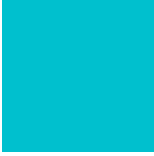
This preview shows how white text looks on a background with the CIELCh color 71, 45.725, 248.262.

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

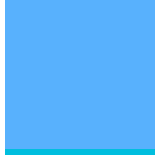
Trichromacy



Original Color
71, 45.642, 248.462



Protanomaly
69, 40.510, 262.852



Deuteranomaly
70, 45.657, 265.444



Tritanomaly
71, 39.286, 223.771

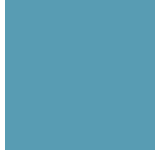
Monochromacy



Original Color
71, 45.642, 248.462



Achromatopsia
57, 0.007, 296.813



Achromatomaly
61, 23.969, 230.915

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 45.725, 248.262 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 45.725, 248.262 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, 250) }
```

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

```
.border{ border-color:rgb(0, 186, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 45.725, 248.262 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, 250) }
```

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

```
.background{ background-color: rgb(0, 186,  
250) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor