

Converting Colors

CIELCh(71, 46.967, 250.603)

Have a look what the booklet for
CIELCh(71, 46.967, 250.603)
contains.

CIELCh(71, 46.923, 250.906)	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, 46.923, 250.906)

Conversions

Conversions Part 1

Format	Color
Hex	00BAFE
RGB	0, 186, 254
RGB Percent	0%, 73%, 100%
CMY	1.0000, 0.2712, 0.0046
CMYK	1.00, 0.27, 0.00, 0.00
HSL	196°, 100%, 50%
HSV	196°, 100%, 100%
XYZ	35.3729, 42.1875, 99.9002
YIQ	138.1380, -132.6840, -18.2840

Conversions

Conversions Part 2

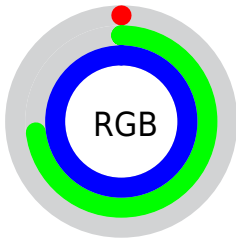
Format	Color
RYB	0, 107, 254
Decimal	47870
CIELab	71.00, -15.35, -44.34
CIELCh	71, 46.923, 250.906
Yxy	42.1875, 0.1993, 0.2377
Android (android.graphics.Color)	4278237950 (0xFF00BAFE)
YUV	138.1380, 57.1200, -121.1470
Hunter-Lab	64.9519, -16.4545, -45.7255

Details

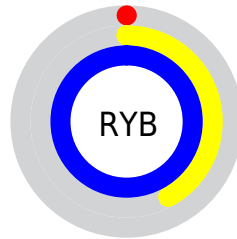
The CIELCh color **71, 46.923, 250.906** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **57, 96.500, 45.388**, and the grayscale version is **57, 0.007, 296.813**.

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, 46.907, 250.932**, and if you desaturate by 10%, it is **73, 44.869, 246.119**.

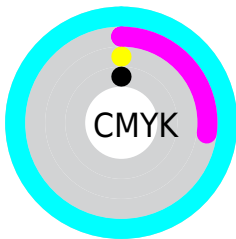
Distribution



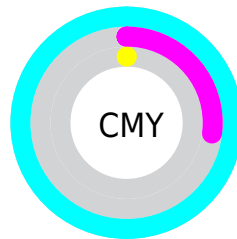
- Red (0%)
- Green (73%)
- Blue (100%)



- 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, 46.923, 250.906 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, 46.923, 250.906 by changing the saturation by 10% instead.


 71, 46.923,
250.906


 71, 46.923,
250.906


 100, 46.923,
250.906


 61, 46.923,
250.906


 91, 46.923,
250.906

 51, 46.923,
250.906

 41, 46.923,
250.906

 31, 46.923,
250.906

 21, 46.923,
250.906

 11, 46.923,
250.906

 1, 46.923, 250.906

■ 0, 46.923, 250.906

■ 71, 46.923,
250.906

■ 71, 46.923,
250.906

■ 71, 46.907,
250.932

■ 73, 44.869,
246.119

■ 75, 42.482,
241.892

■ 78, 39.490,
238.376

■ 80, 35.776,
235.530

■ 83, 31.314,
233.269

■ 86, 26.138,
231.497

■ 89, 20.325,
230.123

■ 93, 13.967,
229.072

■ 96, 7.163, 228.297

Harmonies

Complementary

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



71, 46.923, 250.906



57, 96.500, 45.388

Rectangle

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



71, 46.923, 250.906



71, 46.923, 300.906



71, 46.923, 70.906



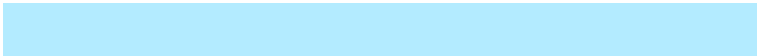
71, 46.923, 120.906

Sweetspot

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



71, 46.907, 250.932



90, 20.400, 230.124



88, 109.038, 139.799



46, 13.718, 230.660



0, 0.000, 0.000



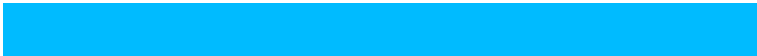
53, 0.007, 296.813

Same Dimension

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



71, 46.907, 250.932



71, 47.075, 250.945



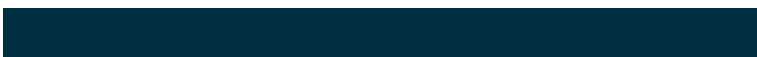
38, 114.259, 301.814



51, 4.092, 228.267



55, 37.682, 250.014



17, 16.714, 243.361

Inverse Universe

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



57, 93.624, 342.947



57, 93.947, 342.951



82, 83.878, 84.513



50, 7.511, 333.622



43, 75.908, 342.625



11, 35.715, 340.444

Previews

White Background



This preview shows how the CIELCh color 71, 46.923, 250.906 looks on a white background.

Color Contrast Check

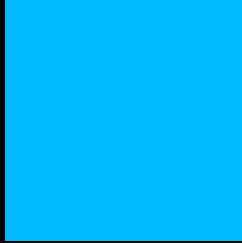
Large Text (above 18pt) WCAG AA × Fail

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, 46.923, 250.906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

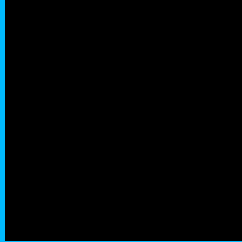
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

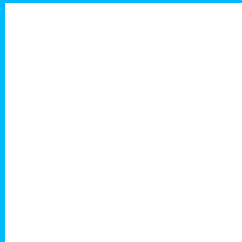
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 46.923, 250.906

Background



This preview shows how black text looks on a background with the CIELCh color 71, 46.923, 250.906.

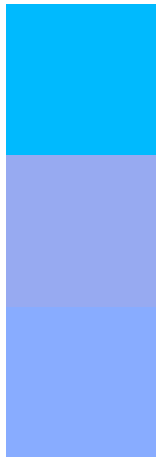


This preview shows how white text looks on a background with the CIELCh color 71, 46.923, 250.906.

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

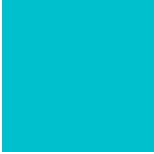
71, 46.923, 250.906

Protanopia

71, 39.011, 285.447

Deuteranopia

71, 45.932, 281.787



Tritanopia
71, 39.107, 208.060

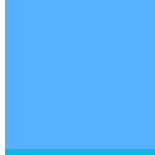
Trichromacy



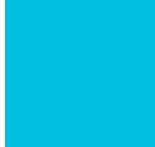
Original Color
71, 46.923, 250.906



Protanomaly
70, 42.348, 264.634



Deuteranomaly
70, 46.614, 266.147



Tritanomaly
71, 39.389, 224.616

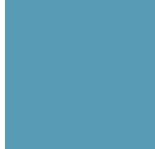
Monochromacy



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, 46.923, 250.906 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, 46.923, 250.906 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, 46.923, 250.906 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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