

Converting Colors

CIELCh(71, 46.317, 251.976)

Have a look what the booklet for
CIELCh(71, 46.317, 251.976)
contains.

CIELCh(71, 46.301, 252.039)	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, 46.301, 252.039)

Conversions

Conversions Part 1

Format	Color
Hex	1DB9FD
RGB	29, 185, 253
RGB Percent	11%, 73%, 99%
CMY	0.8865, 0.2734, 0.0067
CMYK	0.89, 0.27, 0.00, 0.01
HSL	198°, 99%, 55%
HSV	198°, 89%, 99%
XYZ	35.6900, 42.1875, 99.4431
YIQ	146.1080, -114.8040, -11.9240

Conversions

Conversions Part 2

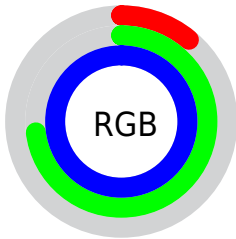
Format	Color
RYB	29, 121, 253
Decimal	1948157
CIELab	71.00, -14.28, -44.04
CIELCh	71, 46.301, 252.039
Yxy	42.1875, 0.2013, 0.2379
Android (android.graphics.Color)	4280138237 (0xFF1DB9FD)
YUV	146.1080, 52.6978, -102.7037
Hunter-Lab	64.9519, -15.5829, -45.3083

Details

The CIELCh color **71, 46.301, 252.039** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **61, 85.760, 48.425**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 34.962, 209.484**, and **52, 42.091, 261.130** is the 20% darker color. If you saturate the color by 10%, you get **69, 49.038, 257.070**, and if you desaturate by 10%, it is **74, 43.282, 247.597**.

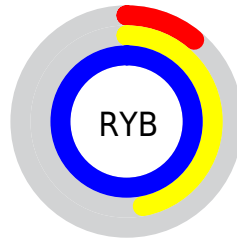
Distribution



Red (11%)

Green (73%)

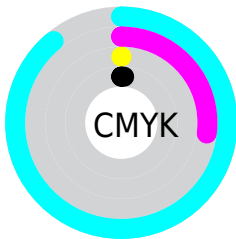
Blue (99%)



Red (11%)

Yellow (47%)

Blue (99%)

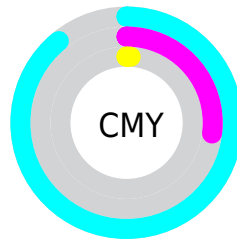


Cyan (89%)

Magenta (27%)

Yellow (0%)

Black (1%)



Cyan (89%)


Magenta (27%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 46.301, 252.039 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, 46.301, 252.039 by changing the saturation by 10% instead.


 71, 46.301,
252.039


 71, 46.301,
252.039


 100, 46.301,
252.039


 61, 46.301,
252.039


 91, 46.301,
252.039

 51, 46.301,
252.039

 41, 46.301,
252.039

 31, 46.301,
252.039

 21, 46.301,
252.039

 11, 46.301,
252.039

 1, 46.301, 252.039

0, 46.301, 252.039

71, 46.301,
252.039

71, 46.301,
252.039

69, 49.038,
257.070

74, 43.282,
247.597

68, 49.438,
257.786

76, 39.762,
243.855

79, 35.622,
240.789

82, 30.828,
238.322

86, 25.409,
236.362

89, 19.429,
234.817

■ 93, 12.973,
233.610

■ 96, 6.126, 232.701

■ 100, 0.581, 88.651

Harmonies

Complementary

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



71, 46.301, 252.039



61, 85.760, 48.425

Rectangle

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



71, 46.301, 252.039



71, 46.301, 302.039



71, 46.301, 72.039



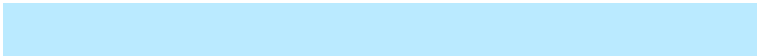
71, 46.301, 122.039

Sweetspot

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



71, 46.300, 252.040



90, 18.540, 234.607



88, 99.409, 142.966



47, 12.369, 235.075



0, 0.000, 0.000



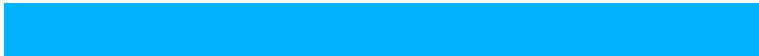
53, 0.007, 296.813

Same Dimension

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



71, 46.300, 252.040



69, 49.697, 257.806



42, 105.502, 299.930



51, 4.075, 232.772



53, 39.686, 256.837



17, 17.310, 249.785

Inverse Universe

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



57, 90.656, 343.329



57, 91.778, 345.566



85, 82.387, 89.301



50, 7.324, 335.038



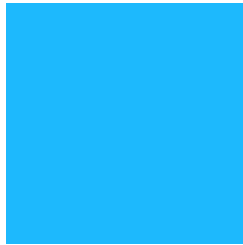
42, 74.167, 345.172



11, 34.948, 342.545

Previews

White Background



This preview shows how the CIELCh color 71, 46.301, 252.039 looks on a white background.

Color Contrast Check

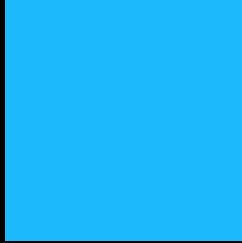
Large Text (above 18pt) WCAG AA × Fail

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, 46.301, 252.039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

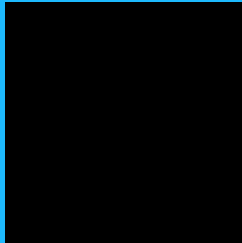
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

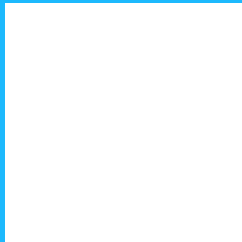
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 46.301, 252.039

Background



This preview shows how black text looks on a background with the CIELCh color 71, 46.301, 252.039.

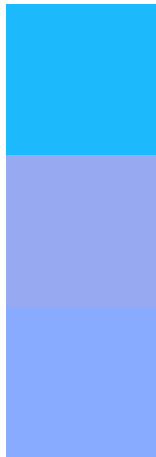


This preview shows how white text looks on a background with the CIELCh color 71, 46.301, 252.039.

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, 46.270, 252.094

Protanopia

71, 39.011, 285.447

Deuteranopia

71, 46.453, 282.367



Tritanopia
71, 39.107, 208.060

Trichromacy



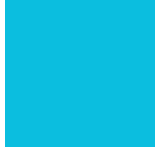
Original Color
71, 46.270, 252.094



Protanomaly
70, 41.006, 266.952



Deuteranomaly
70, 45.896, 268.461



Tritanomaly
71, 39.126, 224.833

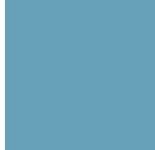
Monochromacy



Original Color
71, 46.270, 252.094



Achromatopsia
61, 0.008, 296.813



Achromatomaly
63, 22.236, 237.519

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 46.301, 252.039 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(29, 185, 253)` looks like.

```
.text, #text, p{  
    color:rgb(29, 185, 253)  
}
```

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(29, 185, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 185, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 46.301, 252.039 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(29, 185, 253) }
```

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

```
.border{ border-color:rgb(29, 185, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 185, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 185, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 185, 253);  
box-shadow:4px 4px 4px 4px rgb(29, 185,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 46.301, 252.039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 185, 253) }
```

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

```
.background{ background-color: rgb(29, 185,  
253) }
```

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