

Converting Colors

CIELCh(71, 46.253, 302.018)

Have a look what the booklet for
CIELCh(71, 46.253, 302.018)
contains.

CIELCh(71, 45.902, 301.859)	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, 45.902, 301.859)

Conversions

Conversions Part 1

Format	Color
Hex	B5A2F5
RGB	181, 162, 245
RGB Percent	71%, 64%, 96%
CMY	0.2907, 0.3652, 0.0398
CMYK	0.26, 0.34, 0.00, 0.04
HSL	254°, 80%, 80%
HSV	254°, 34%, 96%
XYZ	48.3830, 42.1875, 91.8681
YIQ	177.1430, -15.3190, 29.8410

Conversions

Conversions Part 2

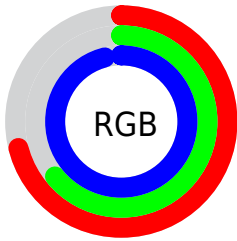
Format	Color
R _Y B	181, 162, 245
Decimal	11903733
CIE Lab	71.00, 24.23, -38.99
CIE LCh	71, 45.902, 301.859
Yxy	42.1875, 0.2652, 0.2312
Android (android.graphics.Color)	4290093813 (0xFFB5A2F5)
YUV	177.1430, 33.4535, 3.3826
Hunter-Lab	64.9519, 19.2998, -38.3936

Details

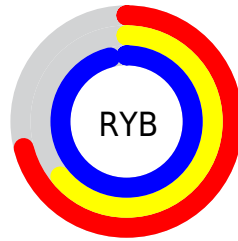
The CIELCh color $71, 45.902, 301.859$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $93, 42.541, 116.879$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 21.169, 311.538$, and $51, 45.849, 301.849$ is the 20% darker color. If you saturate the color by 10%, you get $64, 60.492, 302.915$, and if you desaturate by 10%, it is $79, 31.760, 300.913$.

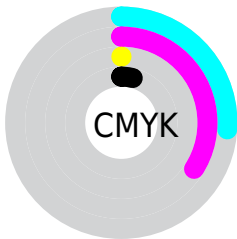
Distribution



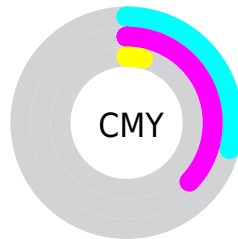
- Red (71%)
- Green (64%)
- Blue (96%)



- Red (71%)
- Yellow (64%)
- Blue (96%)



- Cyan (26%)
- Magenta (34%)
- Yellow (0%)
- Black (4%)



- Cyan (29%)
- Magenta (37%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 45.902, 301.859 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, 45.902, 301.859 by changing the saturation by 10% instead.

■ 71, 45.902,
301.859

■ 71, 45.902,
301.859

■ 100, 45.902,
301.859

■ 61, 45.902,
301.859

■ 91, 45.902,
301.859

■ 51, 45.902,
301.859

■ 41, 45.902,
301.859

■ 31, 45.902,
301.859

■ 21, 45.902,
301.859

■ 11, 45.902,
301.859

■ 1, 45.902, 301.859

0, 45.902, 301.859

71, 45.902,
301.859

71, 45.902,
301.859

64, 60.492,
302.915

79, 31.760,
300.913

56, 75.379,
304.057

86, 18.122,
300.080

49, 90.198,
305.225

94, 4.988, 299.352

43, 104.210,
306.303

100, 5.129,
109.780

38, 116.154,
307.108

34, 124.410,
307.420

■ 33,127.563,
307.392

Harmonies

Complementary

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



71, 45.902, 301.859



93, 42.541, 116.879

Rectangle

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



71, 45.902, 301.859



71, 45.902, 351.859



71, 45.902, 121.859



71, 45.902, 171.859

Sweetspot

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



71, 45.900, 301.859



92, 13.386, 299.787



87, 22.219, 223.471



48, 9.156, 299.892



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, 45.900, 301.859



68, 58.122, 302.609



75, 48.981, 317.722



47, 7.353, 299.747



24, 103.654, 307.516



4, 40.600, 304.897

Inverse Universe

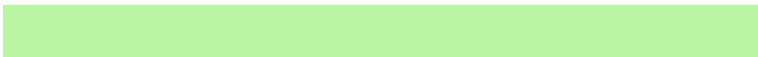
The Inverse Universe completely reimagines the original color for something new.



76, 44.703, 333.849



75, 55.512, 334.385



91, 47.836, 134.571



48, 7.468, 332.139



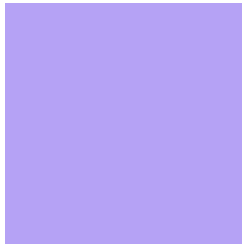
42, 76.480, 339.976



10, 34.766, 338.079

Previews

White Background



This preview shows how the CIELCh color 71, 45.902, 301.859 looks on a white background.

Color Contrast Check

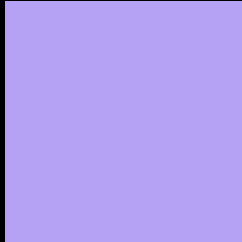
Large Text (above 18pt) WCAG AA × Fail

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, 45.902, 301.859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

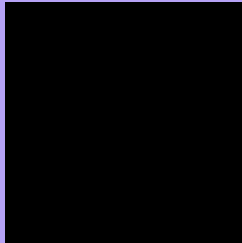
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 45.902, 301.859

Background



This preview shows how black text looks on a background with the CIELCh color 71, 45.902, 301.859.




This preview shows how white text looks on a background with the CIELCh color 71, 45.902, 301.859.

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, 7.708, 282.852

Trichromacy



Original Color
71, 45.902, 301.859

Protanomaly
71, 44.235, 290.878

Deuteranomaly
71, 41.519, 291.181

Tritanomaly
71, 21.453, 296.853

Monochromacy



Original Color
71, 45.902, 301.859

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 16.552, 299.091

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 45.902, 301.859 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(181, 162, 245)` looks like.

```
.text, #text, p{  
    color:rgb(181, 162, 245)  
}
```

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(181, 162, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 162, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 45.902, 301.859 is called "border". The border property can be set on classes, ids or directly on the HTML element.

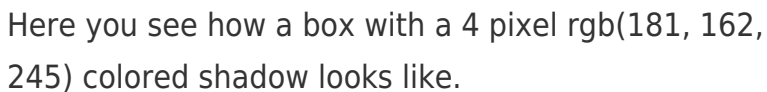
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 162, 245) }
```

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

```
.border{ border-color:rgb(181, 162, 245) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 162, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 162, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 162, 245); box-shadow:4px 4px 4px 4px rgb(181, 162, 245) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 45.902, 301.859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 162, 245) }
```

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

```
.background{ background-color: rgb(181,  
162, 245) }
```

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