

Converting Colors

CIELCh(71, 25.183, 305.781)

Have a look what the booklet for
CIELCh(71, 25.183, 305.781)
contains.

CIELCh(71, 25.426, 305.883)	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, 25.426, 305.883)

Conversions

Conversions Part 1

Format	Color
Hex	B7A6D3
RGB	183, 166, 211
RGB Percent	72%, 65%, 83%
CMY	0.2813, 0.3480, 0.1715
CMYK	0.13, 0.21, 0.00, 0.17
HSL	263°, 34%, 74%
HSV	263°, 21%, 83%
XYZ	45.0711, 42.1875, 67.5789
YIQ	176.2130, -4.3130, 17.5990

Conversions

Conversions Part 2

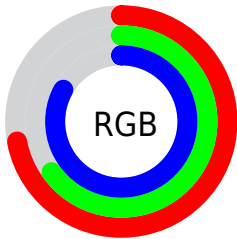
Format	Color
RYB	183, 166, 211
Decimal	12035795
CIELab	71.00, 14.90, -20.60
CIELCh	71, 25.426, 305.883
Yxy	42.1875, 0.2911, 0.2725
Android (android.graphics.Color)	4290225875 (0xFFB7A6D3)
YUV	176.2130, 17.1500, 5.9522
Hunter-Lab	64.9519, 10.1980, -16.2217

Details

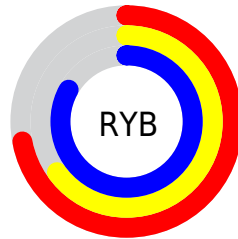
The CIELCh color $71, 25.426, 305.883$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $82, 24.503, 123.594$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 18.811, 310.679$, and $51, 25.309, 306.316$ is the 20% darker color. If you saturate the color by 10%, you get $65, 37.940, 306.543$, and if you desaturate by 10%, it is $77, 13.273, 305.282$.

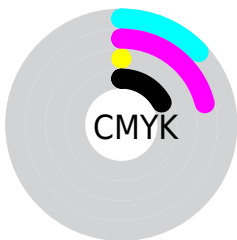
Distribution



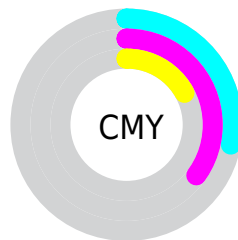
- Red (72%)
- Green (65%)
- Blue (83%)



- Red (72%)
- Yellow (65%)
- Blue (83%)



- Cyan (13%)
- Magenta (21%)
- Yellow (0%)
- Black (17%)




- Cyan (28%)
- Magenta (35%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 25.426, 305.883 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, 25.426, 305.883 by changing the saturation by 10% instead.


 71, 25.426,
305.883


 71, 25.426,
305.883


 100, 25.426,
305.883


 61, 25.426,
305.883


 91, 25.426,
305.883

 51, 25.426,
305.883

 41, 25.426,
305.883

 31, 25.426,
305.883

 21, 25.426,
305.883

 11, 25.426,
305.883

 1, 25.426, 305.883

0, 25.426, 305.883

71, 25.426,
305.883

71, 25.426,
305.883

65, 37.940,
306.543

77, 13.273,
305.282

58, 50.748,
307.256

84, 1.513, 304.703

52, 63.688,
307.994

90, 9.854, 124.295

46, 76.451,
308.709

97, 20.840,
123.881

41, 88.491,
309.319

99, 22.220,
114.238

36, 98.954,
309.700

99, 22.086,
108.504

■ 33,106.762,
309.699

■ 30,111.194,
309.390

Harmonies

Complementary

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



71, 25.426, 305.883



82, 24.503, 123.594

Rectangle

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



71, 25.426, 305.883



71, 25.426, 355.883



71, 25.426, 125.883



71, 25.426, 175.883

Sweetspot

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



71, 25.424, 305.882



96, 8.141, 304.989



77, 12.936, 242.306



50, 5.405, 305.026



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, 25.424, 305.882



81, 36.430, 306.204



73, 28.176, 321.758



41, 6.587, 305.174



23, 93.692, 309.554



2, 26.199, 303.164

Inverse Universe

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



73, 22.526, 339.242



84, 32.078, 339.672



81, 27.994, 139.620



41, 5.899, 338.268



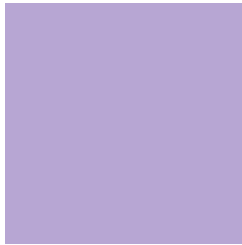
37, 64.773, 350.795



5, 23.378, 345.789

Previews

White Background



This preview shows how the CIELCh color 71, 25.426, 305.883 looks on a white background.

Color Contrast Check

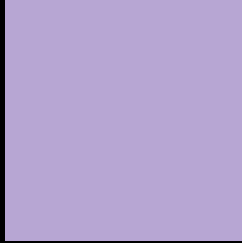
Large Text (above 18pt) WCAG AA × Fail

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, 25.426, 305.883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

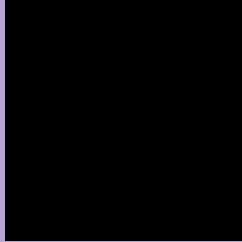
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 25.426, 305.883

Background



This preview shows how black text looks on a background with the CIELCh color 71, 25.426, 305.883.



This preview shows how white text looks on a background with the CIELCh color 71, 25.426, 305.883.

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, 25.426, 305.883

Protanopia

71, 23.570, 285.965

Deuteranopia

71, 22.451, 294.092



Tritanopia
71, 8.238, 311.823

Trichromacy



Original Color
71, 25.426, 305.883

Protanomaly
71, 24.073, 293.311

Deuteranomaly
71, 23.151, 298.341

Tritanomaly
71, 14.927, 308.337

Monochromacy



Original Color
71, 25.426, 305.883

Achromatopsia
72, 0.009, 296.813

Achromatomaly
71, 9.666, 306.362

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 25.426, 305.883 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(183, 166, 211)` looks like.

```
.text, #text, p{  
    color:rgb(183, 166, 211)  
}
```

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(183, 166, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 166, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 25.426, 305.883 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(183, 166, 211) }
```

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

```
.border{ border-color:rgb(183, 166, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 166, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 166, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 166, 211);  
box-shadow:4px 4px 4px 4px rgb(183, 166,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 25.426, 305.883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 166, 211) }
```

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

```
.background{ background-color: rgb(183,  
166, 211) }
```

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