

Converting Colors

CIELCh(70, 44.307, 305.927)

Have a look what the booklet for
CIELCh(70, 44.307, 305.927)
contains.

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Color

CIELCh(70, 43.802, 305.635)

Conversions

Conversions Part 1

Format	Color
Hex	B99EEC
RGB	185, 158, 236
RGB Percent	73%, 62%, 93%
CMY	0.2751, 0.3809, 0.0751
CMYK	0.22, 0.33, 0.00, 0.08
HSL	261°, 67%, 77%
HSV	261°, 33%, 92%
XYZ	47.2937, 40.7494, 84.6142
YIQ	174.9650, -8.9460, 29.9820

Conversions

Conversions Part 2

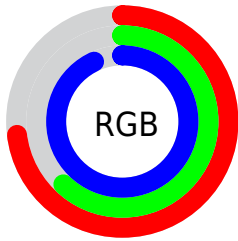
Format	Color
RYB	185, 158, 236
Decimal	12164844
CIELab	70.00, 25.52, -35.60
CIELCh	70, 43.802, 305.635
Yxy	40.7494, 0.2739, 0.2360
Android (android.graphics.Color)	4290354924 (0xFFB99EEC)
YUV	174.9650, 30.0903, 8.8007
Hunter-Lab	63.8353, 20.5337, -33.9047

Details

The CIELCh color `70, 43.802, 305.635` is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be `90, 41.108, 121.719`, and the grayscale version is `71, 0.009, 296.813`.

A 20% lighter version of the original color is `89, 24.179, 316.126`, and `50, 44.161, 305.942` is the 20% darker color. If you saturate the color by 10%, you get `63, 57.864, 306.418`, and if you desaturate by 10%, it is `77, 30.067, 304.912`.

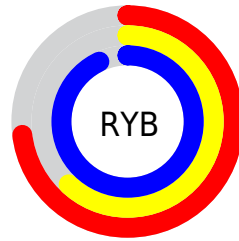
Distribution



Red (73%)

Green (62%)

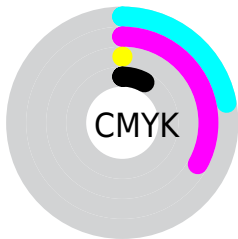
Blue (93%)



Red (73%)

Yellow (62%)

Blue (93%)

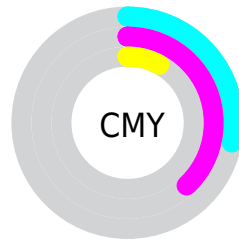


Cyan (22%)

Magenta (33%)

Yellow (0%)

Black (8%)



Cyan (28%)


Magenta (38%)


Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 43.802, 305.635 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 70, 43.802, 305.635 by changing the saturation by 10% instead.


 70, 43.802,
305.635


 70, 43.802,
305.635


 100, 43.802,
305.635


 60, 43.802,
305.635


 90, 43.802,
305.635

 50, 43.802,
305.635

 40, 43.802,
305.635

 30, 43.802,
305.635

 20, 43.802,
305.635

 10, 43.802,
305.635

 0, 43.802, 305.635

70, 43.802,
305.635

70, 43.802,
305.635

63, 57.864,
306.418

77, 30.067,
304.912

56, 72.070,
307.232

84, 16.747,
304.259

50, 86.042,
308.022

91, 3.870, 303.667

44, 99.108,
308.691

98, 8.565, 123.189

100, 9.694,
109.443

39, 110.220,
309.099

35, 118.111,
309.075

34, 121.628,
308.824

Harmonies

Complementary

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



70, 43.802, 305.635



90, 41.108, 121.719

Rectangle

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



70, 43.802, 305.635



70, 43.802, 355.635



70, 43.802, 125.635



70, 43.802, 175.635

Sweetspot

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



70, 43.800, 305.635



92, 13.586, 304.075



81, 21.094, 239.656



48, 9.291, 304.160



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 43.800, 305.635



70, 57.037, 306.186



74, 47.512, 321.300



45, 7.207, 304.041



25, 99.568, 308.991



4, 36.880, 306.582

Inverse Universe

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



74, 39.093, 338.801



76, 50.146, 339.459



87, 46.955, 137.928



46, 6.633, 336.858



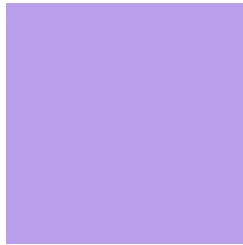
40, 69.452, 348.386



8, 30.662, 344.526

Previews

White Background



This preview shows how the CIELCh color 70, 43.802, 305.635 looks on a white background.

Color Contrast Check

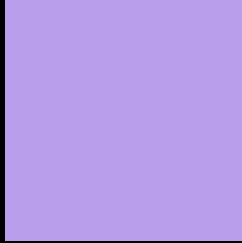
Large Text (above 18pt) WCAG AA × Fail

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 70, 43.802, 305.635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

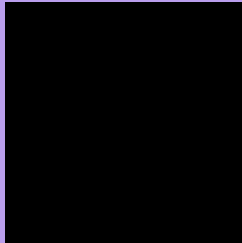
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 43.802, 305.635

Background



This preview shows how black text looks on a background with the CIELCh color 70, 43.802, 305.635.




This preview shows how white text looks on a background with the CIELCh color 70, 43.802, 305.635.

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
70, 7.492, 308.026

Trichromacy



Original Color
70, 43.802, 305.635

Protanomaly
70, 41.627, 292.485

Deuteranomaly
70, 38.369, 293.404

Tritanomaly
70, 20.976, 305.714

Monochromacy



Original Color
70, 43.802, 305.635

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 15.792, 304.713

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 43.802, 305.635 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(185, 158, 236)` looks like.

```
.text, #text, p{  
    color:rgb(185, 158, 236)  
}
```

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(185, 158, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 158, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 43.802, 305.635 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(185, 158, 236) }
```

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

```
.border{ border-color:rgb(185, 158, 236) }
```

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

Here you see how a box with a 4 pixel rgb(185, 158, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 158, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 158, 236);  
box-shadow:4px 4px 4px 4px rgb(185, 158,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 43.802, 305.635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 158, 236) }
```

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

```
.background{ background-color: rgb(185,  
158, 236) }
```

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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