

Converting Colors

CIELCh(71, 50.138, 312.340)

Have a look what the booklet for
CIELCh(71, 50.138, 312.340)
contains.

CIELCh(71, 50.615, 312.360)	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, 50.615, 312.360)

Conversions

Conversions Part 1

Format	Color
Hex	CA9AF2
RGB	202, 154, 242
RGB Percent	79%, 60%, 95%
CMY	0.2070, 0.3953, 0.0501
CMYK	0.17, 0.36, 0.00, 0.05
HSL	273°, 77%, 78%
HSV	273°, 36%, 95%
XYZ	52.0629, 42.1875, 89.5744
YIQ	178.3840, 0.3600, 37.5440

Conversions

Conversions Part 2

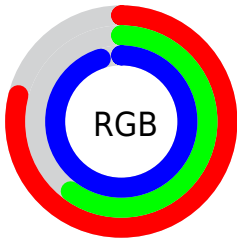
Format	Color
R _{YB}	202, 154, 242
Decimal	13277938
CIE Lab	71.00, 34.10, -37.40
CIE LCh	71, 50.615, 312.360
Yxy	42.1875, 0.2832, 0.2295
Android (android.graphics.Color)	4291468018 (0xFFCA9AF2)
YUV	178.3840, 31.3627, 20.7112
Hunter-Lab	64.9519, 29.4129, -36.2998

Details

The CIELCh color $71, 50.615, 312.360$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $91, 48.315, 128.949$, and the grayscale version is $73, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 28.837, 325.429$, and $51, 50.953, 312.456$ is the 20% darker color. If you saturate the color by 10%, you get $65, 64.902, 312.856$, and if you desaturate by 10%, it is $78, 36.333, 311.855$.

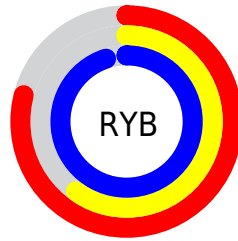
Distribution



Red (79%)

Green (60%)

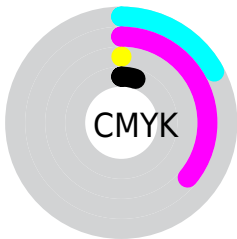
Blue (95%)



Red (79%)

Yellow (60%)

Blue (95%)

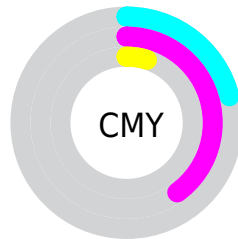


Cyan (17%)

Magenta (36%)

Yellow (0%)

Black (5%)



Cyan (21%)


Magenta (40%)


Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 50.615, 312.360 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, 50.615, 312.360 by changing the saturation by 10% instead.


 71, 50.615,
312.360


 71, 50.615,
312.360


 100, 50.615,
312.360


 61, 50.615,
312.360


 91, 50.615,
312.360

 51, 50.615,
312.360

 41, 50.615,
312.360

 31, 50.615,
312.360

 21, 50.615,
312.360

 11, 50.615,
312.360

 1, 50.615, 312.360

0, 50.615, 312.360

71, 50.615,
312.360

71, 50.615,
312.360

65, 64.902,
312.856

78, 36.333,
311.855

58, 78.854,
313.301

84, 22.266,
311.364

53, 91.920,
313.636

91, 8.524, 310.895

48, 103.322,
313.773

98, 4.839, 130.525

100, 6.469,
109.682

44, 112.133,
313.609

41, 117.599,
313.050

■ 40,119.046,
312.790

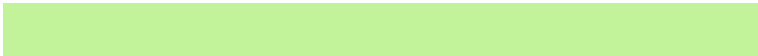
Harmonies

Complementary

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



71, 50.615, 312.360



91, 48.315, 128.949

Rectangle

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



71, 50.615, 312.360



71, 50.615, 2.360



71, 50.615, 132.360



71, 50.615, 182.360

Sweetspot

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



71, 50.613, 312.360



92, 15.522, 311.113



78, 27.675, 265.125



48, 10.448, 311.177



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, 50.613, 312.360



69, 64.203, 312.748



75, 54.165, 327.354



47, 7.610, 311.041



30, 96.544, 312.987



5, 39.796, 313.523

Inverse Universe

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



74, 38.831, 349.940



73, 48.899, 351.036



88, 54.230, 142.610



47, 5.888, 346.959



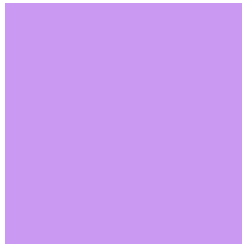
39, 65.964, 6.348



8, 29.089, 359.133

Previews

White Background



This preview shows how the CIELCh color 71, 50.615, 312.360 looks on a white background.

Color Contrast Check

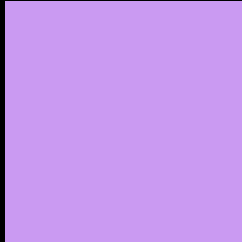
Large Text (above 18pt) WCAG AA × Fail

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, 50.615, 312.360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

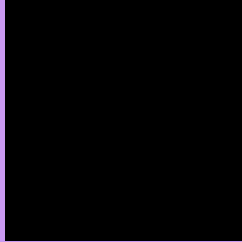
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 50.615, 312.360

Background



This preview shows how black text looks on a background with the CIELCh color 71, 50.615, 312.360.



This preview shows how white text looks on a background with the CIELCh color 71, 50.615, 312.360.

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, 11.810, 343.635

Trichromacy



Original Color
71, 50.615, 312.360

Protanomaly
71, 46.487, 294.933

Deuteranomaly
71, 40.552, 296.667

Tritanomaly
71, 25.590, 320.586

Monochromacy



Original Color
71, 50.615, 312.360

Achromatopsia
73, 0.009, 296.813

Achromatomaly
72, 18.562, 310.852

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 50.615, 312.360 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(202, 154, 242)` looks like.

```
.text, #text, p{  
    color:rgb(202, 154, 242)  
}
```

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(202, 154, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 154, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 50.615, 312.360 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(202, 154, 242) }
```

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

```
.border{ border-color:rgb(202, 154, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 154, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 154, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 154, 242);  
box-shadow:4px 4px 4px 4px rgb(202, 154,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 50.615, 312.360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 154, 242) }
```

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

```
.background{ background-color: rgb(202,  
154, 242) }
```

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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