

Converting Colors

CIELCh(70, 50.988, 302.487)

Have a look what the booklet for
CIELCh(70, 50.988, 302.487)
contains.

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Color

CIELCh(70, 51.040, 302.501)

Conversions

Conversions Part 1

Format	Color
Hex	B39DF9
RGB	179, 157, 249
RGB Percent	70%, 62%, 98%
CMY	0.2964, 0.3827, 0.0218
CMYK	0.28, 0.37, 0.00, 0.02
HSL	254°, 89%, 80%
HSV	254°, 37%, 98%
XYZ	47.9790, 40.7494, 95.3159
YIQ	174.0660, -16.4200, 33.2760

Conversions

Conversions Part 2

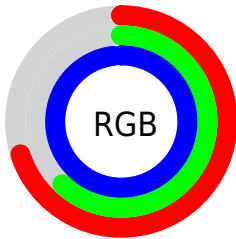
Format	Color
RYB	179, 157, 249
Decimal	11771385
CIELab	70.00, 27.42, -43.05
CIELCh	70, 51.040, 302.501
Yxy	40.7494, 0.2607, 0.2214
Android (android.graphics.Color)	4289961465 (0xFFB39DF9)
YUV	174.0660, 36.9425, 4.3271
Hunter-Lab	63.8353, 22.4501, -43.8444

Details

The CIELCh color **70, 51.040, 302.501** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **95, 46.962, 117.125**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 24.041, 311.816**, and **50, 51.302, 302.687** is the 20% darker color. If you saturate the color by 10%, you get **63, 65.956, 303.560**, and if you desaturate by 10%, it is **78, 36.535, 301.542**.

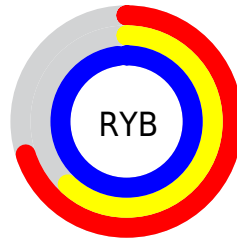
Distribution



Red (70%)

Green (62%)

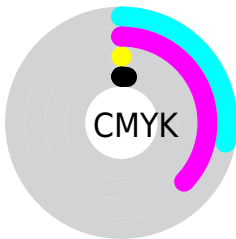
Blue (98%)



Red (70%)

Yellow (62%)

Blue (98%)

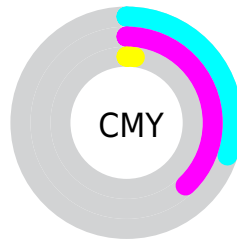


Cyan (28%)

Magenta (37%)

Yellow (0%)

Black (2%)



Cyan (30%)


Magenta (38%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 51.040, 302.501 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, 51.040, 302.501 by changing the saturation by 10% instead.


 70, 51.040,
302.501


 70, 51.040,
302.501


 100, 51.040,
302.501


 60, 51.040,
302.501


 90, 51.040,
302.501

 50, 51.040,
302.501

 40, 51.040,
302.501

 30, 51.040,
302.501

 20, 51.040,
302.501

 10, 51.040,
302.501

 0, 51.040, 302.501

70, 51.040,
302.501

70, 51.040,
302.501

63, 65.956,
303.560

78, 36.535,
301.542

55, 81.073,
304.685

85, 22.527,
300.693

48, 95.922,
305.802

93, 9.029, 299.950

42, 109.602,
306.777

100, 2.810,
109.941

38, 120.689,
307.412

34, 127.636,
307.505

34, 129.192,
307.484

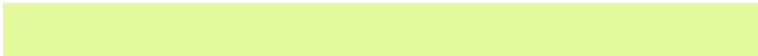
Harmonies

Complementary

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



70, 51.040, 302.501



95, 46.962, 117.125

Rectangle

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



70, 51.040, 302.501



70, 51.040, 352.501



70, 51.040, 122.501



70, 51.040, 172.501

Sweetspot

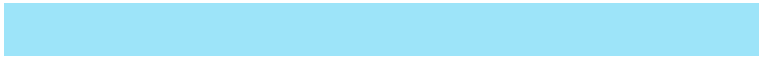
The Sweet Spot groups the original color and five complimentary colors.



70, 51.039, 302.501



91, 14.767, 300.244



87, 24.151, 226.121



48, 9.947, 300.344



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, 51.039, 302.501



66, 62.716, 303.250



74, 54.331, 318.374



48, 7.487, 300.134



24, 104.566, 307.612



4, 42.668, 305.801

Inverse Universe

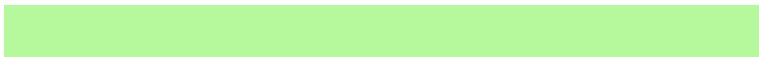
The Inverse Universe completely reimagines the original color for something new.



76, 48.944, 334.489



74, 58.906, 335.042



92, 53.058, 134.884



49, 7.539, 332.527



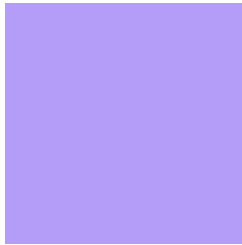
42, 76.674, 340.669



11, 35.456, 338.737

Previews

White Background



This preview shows how the CIELCh color 70, 51.040, 302.501 looks on a white background.

Color Contrast Check

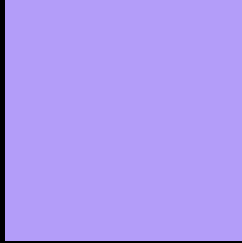
Large Text (above 18pt) WCAG AA × Fail

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, 51.040, 302.501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

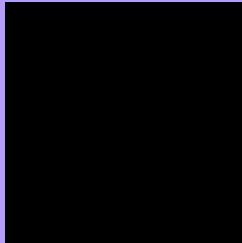
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 51.040, 302.501

Background



This preview shows how black text looks on a background with the CIELCh color 70, 51.040, 302.501.



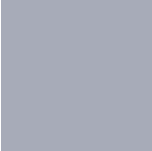
This preview shows how white text looks on a background with the CIELCh color 70, 51.040, 302.501.

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, 7.240, 279.343

Trichromacy



Original Color
70, 51.040, 302.501

Protanomaly
70, 48.733, 291.733

Deuteranomaly
70, 45.464, 290.789

Tritanomaly
70, 23.190, 297.521

Monochromacy



Original Color
70, 51.040, 302.501

Achromatopsia
71, 0.009, 296.813

Achromatomaly
70, 18.351, 300.752

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 51.040, 302.501 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(179, 157, 249)` looks like.

```
.text, #text, p{  
    color:rgb(179, 157, 249)  
}
```

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(179, 157, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 157, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 51.040, 302.501 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(179, 157, 249) }
```

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

```
.border{ border-color:rgb(179, 157, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 157, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 157, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 157, 249);  
box-shadow:4px 4px 4px 4px rgb(179, 157,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 51.040, 302.501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 157, 249) }
```

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

```
.background{ background-color: rgb(179,  
157, 249) }
```

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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