

Converting Colors

CIELCh(71, 61.481, 301.511)

Have a look what the booklet for
CIELCh(71, 61.481, 301.511)
contains.

CIELCh(70, 53.612, 301.902)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(70, 53.612, 301.902)

Conversions

Conversions Part 1

Format	Color
Hex	B29DFE
RGB	178, 157, 254
RGB Percent	70%, 62%, 100%
CMY	0.3020, 0.3841, 0.0041
CMYK	0.30, 0.38, 0.00, 0.00
HSL	253°, 98%, 81%
HSV	253°, 38%, 100%
XYZ	48.3079, 40.7494, 99.0521
YIQ	174.3370, -18.6210, 34.6190

Conversions

Conversions Part 2

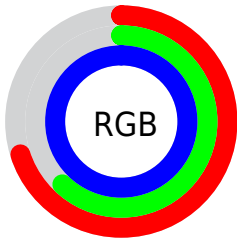
Format	Color
R _{YB}	178, 157, 254
Decimal	11705854
CIE _{Lab}	70.00, 28.33, -45.51
CIE _{LCh}	70, 53.612, 301.902
Y _{xy}	40.7494, 0.2568, 0.2166
Android (android.graphics.Color)	4289895934 (0xFFB29DFE)
YUV	174.3370, 39.2739, 3.2125
Hunter-Lab	63.8353, 23.3698, -47.3146

Details

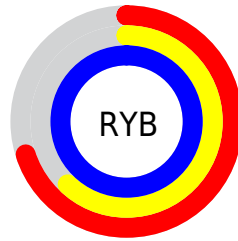
The CIELCh color **70, 53.612, 301.902** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **96, 49.052, 116.059**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 24.041, 311.816**, and **50, 54.085, 302.191** is the 20% darker color. If you saturate the color by 10%, you get **62, 68.817, 303.039**, and if you desaturate by 10%, it is **78, 38.832, 300.875**.

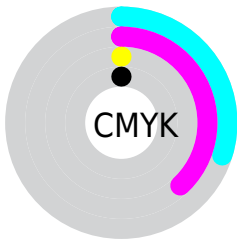
Distribution



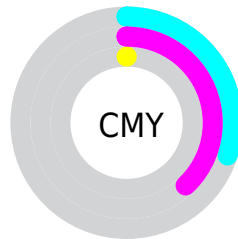
- Red (70%)
- Green (62%)
- Blue (100%)



- Red (70%)
- Yellow (62%)
- Blue (100%)



- Cyan (30%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (38%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 53.612, 301.902 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, 53.612, 301.902 by changing the saturation by 10% instead.


 70, 53.612,
301.902

 70, 53.612,
301.902


 100, 53.612,
301.902


 60, 53.612,
301.902


 90, 53.612,
301.902

 50, 53.612,
301.902

 40, 53.612,
301.902

 30, 53.612,
301.902

 20, 53.612,
301.902

 10, 53.612,
301.902

 0, 53.612, 301.902

70, 53.612,
301.902

70, 53.612,
301.902

62, 68.817,
303.039

78, 38.832,
300.875

55, 84.220,
304.249

86, 24.568,
299.968

48, 99.301,
305.449

93, 10.833,
299.176

42, 113.061,
306.489

100, 0.515,
109.989

37, 123.945,
307.154

34, 130.463,
307.261

34, 131.383,
307.264

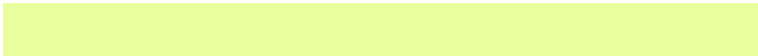
Harmonies

Complementary

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



70, 53.612, 301.902



96, 49.052, 116.059

Rectangle

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



70, 53.612, 301.902



70, 53.612, 351.902



70, 53.612, 121.902



70, 53.612, 171.902

Sweetspot

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



70, 53.611, 301.902



91, 14.732, 299.390



89, 25.459, 221.593



48, 9.924, 299.495



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, 53.611, 301.902



64, 65.727, 302.787



74, 56.669, 317.380



49, 7.594, 299.277



24, 105.966, 307.383



4, 44.590, 305.869

Inverse Universe

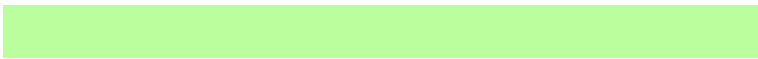
The Inverse Universe completely reimagines the original color for something new.



77, 52.111, 333.667



73, 62.337, 334.249



93, 55.071, 133.825



50, 7.793, 331.674



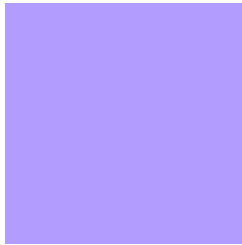
43, 78.738, 339.186



11, 36.928, 337.589

Previews

White Background



This preview shows how the CIELCh color 70, 53.612, 301.902 looks on a white background.

Color Contrast Check

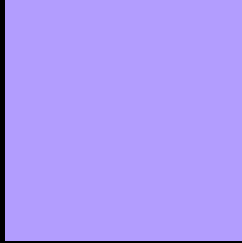
Large Text (above 18pt) WCAG AA × Fail

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, 53.612, 301.902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

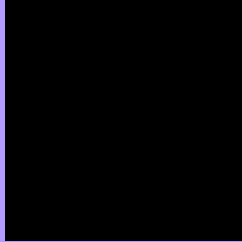
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 53.612, 301.902

Background



This preview shows how black text looks on a background with the CIELCh color 70, 53.612, 301.902.



This preview shows how white text looks on a background with the CIELCh color 70, 53.612, 301.902.

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

70, 53.665, 301.918

Protanopia

70, 47.866, 285.558

Deuteranopia

70, 44.843, 282.368



Tritanopia
70, 8.024, 272.642

Trichromacy



Original Color
70, 53.665, 301.918

Protanomaly
70, 49.821, 291.587

Deuteranomaly
70, 47.662, 290.174

Tritanomaly
70, 24.204, 294.959

Monochromacy



Original Color
70, 53.665, 301.918

Achromatopsia
71, 0.009, 296.813

Achromatomaly
70, 19.381, 299.292

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 53.612, 301.902 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(178, 157, 254)` looks like.

```
.text, #text, p{  
    color:rgb(178, 157, 254)  
}
```

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(178, 157, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 157, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 53.612, 301.902 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(178, 157, 254) }
```

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

```
.border{ border-color:rgb(178, 157, 254) }
```

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

Here you see how a box with a 4 pixel rgb(178, 157, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 157, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 157, 254);  
box-shadow:4px 4px 4px 4px rgb(178, 157,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 53.612, 301.902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 157, 254) }
```

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

```
.background{ background-color: rgb(178,  
157, 254) }
```

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