

Converting Colors

CIELCh(70, 51.609, 299.942)

Have a look what the booklet for
CIELCh(70, 51.609, 299.942)
contains.

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Color

CIELCh(70, 51.274, 300.031)

Conversions

Conversions Part 1

Format	Color
Hex	AE9FFC
RGB	174, 159, 252
RGB Percent	68%, 62%, 99%
CMY	0.3182, 0.3770, 0.0124
CMYK	0.31, 0.37, 0.00, 0.01
HSL	250°, 94%, 81%
HSV	250°, 37%, 99%
XYZ	47.3442, 40.7494, 97.3395
YIQ	174.0870, -20.9130, 32.1030

Conversions

Conversions Part 2

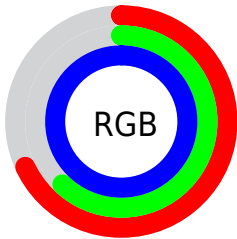
Format	Color
RYB	174, 159, 252
Decimal	11444220
CIELab	70.00, 25.66, -44.39
CIElCh	70, 51.274, 300.031
Yxy	40.7494, 0.2553, 0.2198
Android (android.graphics.Color)	4289634300 (0xFFAE9FFC)
YUV	174.0870, 38.4111, -0.0763
Hunter-Lab	63.8353, 20.6751, -45.7240

Details

The CIELCh color **70, 51.274, 300.031** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **96, 46.887, 113.774**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 22.299, 306.863**, and **50, 51.619, 300.268** is the 20% darker color. If you saturate the color by 10%, you get **62, 66.387, 301.321**, and if you desaturate by 10%, it is **78, 36.655, 298.885**.

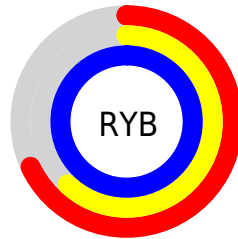
Distribution



Red (68%)

Green (62%)

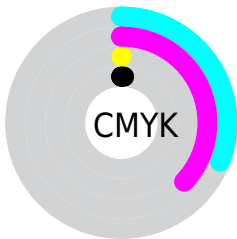
Blue (99%)



Red (68%)

Yellow (62%)

Blue (99%)

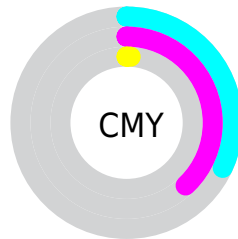


Cyan (31%)

Magenta (37%)

Yellow (0%)

Black (1%)



Cyan (32%)


Magenta (38%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 51.274, 300.031 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, 51.274, 300.031 by changing the saturation by 10% instead.


 70, 51.274,
300.031


 70, 51.274,
300.031


 100, 51.274,
300.031


 60, 51.274,
300.031


 90, 51.274,
300.031

 50, 51.274,
300.031

 40, 51.274,
300.031

 30, 51.274,
300.031

 20, 51.274,
300.031

 10, 51.274,
300.031

 0, 51.274, 300.031

70, 51.274,
300.031

70, 51.274,
300.031

62, 66.387,
301.321

78, 36.655,
298.885

55, 81.815,
302.724

86, 22.586,
297.884

48, 97.101,
304.160

94, 9.063, 297.021

42, 111.298,
305.476

100, 1.587,
110.011

37, 122.812,
306.435

34, 129.854,
306.802

33, 131.358,
306.857

Harmonies

Complementary

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



70, 51.274, 300.031



96, 46.887, 113.774

Rectangle

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



70, 51.274, 300.031



70, 51.274, 350.031



70, 51.274, 120.031



70, 51.274, 170.031

Sweetspot

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



70, 51.273, 300.031



91, 14.662, 297.358



90, 25.252, 214.770



48, 9.877, 297.475



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, 51.273, 300.031



65, 62.559, 300.934



74, 53.979, 315.743



48, 7.432, 297.231



23, 105.584, 306.954



4, 42.466, 304.174

Inverse Universe

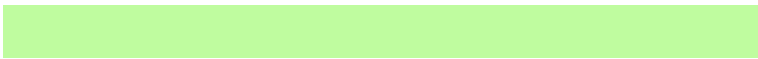
The Inverse Universe completely reimagines the original color for something new.



77, 52.054, 331.530



74, 62.091, 331.998



93, 52.180, 132.360



49, 7.969, 329.762



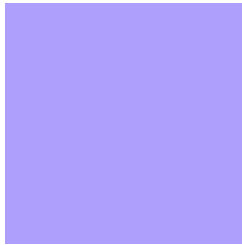
43, 81.240, 335.901



11, 37.336, 334.782

Previews

White Background



This preview shows how the CIELCh color 70, 51.274, 300.031 looks on a white background.

Color Contrast Check

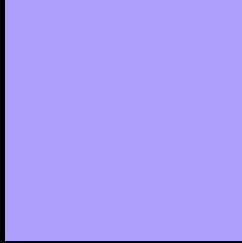
Large Text (above 18pt) WCAG AA × Fail

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, 51.274, 300.031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

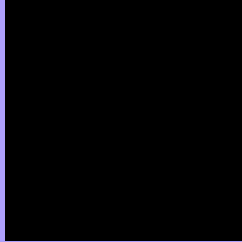
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 51.274, 300.031

Background



This preview shows how black text looks on a background with the CIELCh color 70, 51.274, 300.031.



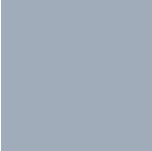
This preview shows how white text looks on a background with the CIELCh color 70, 51.274, 300.031.

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, 8.694, 261.412

Trichromacy



Original Color
70, 51.274, 300.031

Protanomaly
70, 48.721, 290.718

Deuteranomaly
70, 46.576, 289.232

Tritanomaly
70, 23.595, 290.865

Monochromacy



Original Color
70, 51.274, 300.031

Achromatopsia
71, 0.009, 296.813

Achromatomaly
70, 18.794, 298.407

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 51.274, 300.031 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(174, 159, 252)` looks like.

```
.text, #text, p{  
    color:rgb(174, 159, 252)  
}
```

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(174, 159, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 159, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 51.274, 300.031 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(174, 159, 252) }
```

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

```
.border{ border-color:rgb(174, 159, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 159, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 159, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 159, 252);  
box-shadow:4px 4px 4px 4px rgb(174, 159,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 51.274, 300.031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 159, 252) }
```

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

```
.background{ background-color: rgb(174,  
159, 252) }
```

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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