

Converting Colors

CIELCh(70, 50.038, 299.005)

Have a look what the booklet for
CIELCh(70, 50.038, 299.005)
contains.

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Color

CIELCh(70, 50.089, 299.023)

Conversions

Conversions Part 1

Format	Color
Hex	ACA0FB
RGB	172, 160, 251
RGB Percent	67%, 63%, 98%
CMY	0.3265, 0.3735, 0.0167
CMYK	0.32, 0.36, 0.00, 0.02
HSL	248°, 91%, 80%
HSV	248°, 36%, 98%
XYZ	46.8586, 40.7494, 96.4455
YIQ	173.9620, -22.0590, 30.8450

Conversions

Conversions Part 2

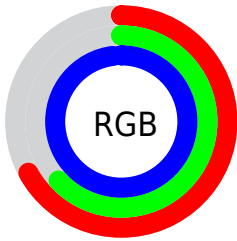
Format	Color
RYB	172, 160, 251
Decimal	11313403
CIELab	70.00, 24.30, -43.80
CIElCh	70, 50.089, 299.023
Yxy	40.7494, 0.2546, 0.2214
Android (android.graphics.Color)	4289503483 (0xFFACA0FB)
YUV	173.9620, 37.9797, -1.7207
Hunter-Lab	63.8353, 19.3172, -44.8936

Details

The CIELCh color `70, 50.089, 299.023` is a light color, and the websafe version is hex `9999FF`. A complement of this color would be `96, 45.811, 112.532`, and the grayscale version is `71, 0.009, 296.813`.

A 20% lighter version of the original color is `88, 21.529, 304.564`, and `50, 50.391, 299.239` is the 20% darker color. If you saturate the color by 10%, you get `62, 65.146, 300.399`, and if you desaturate by 10%, it is `78, 35.556, 297.809`.

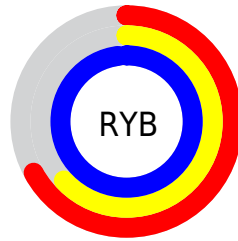
Distribution



Red (67%)

Green (63%)

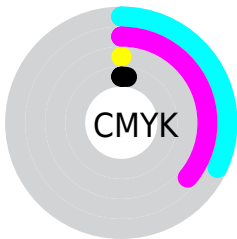
Blue (98%)



Red (67%)

Yellow (63%)

Blue (98%)

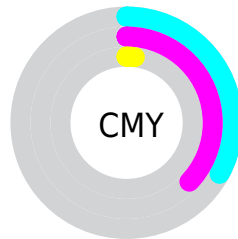


Cyan (32%)

Magenta (36%)

Yellow (0%)

Black (2%)



Cyan (33%)


Magenta (37%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 50.089, 299.023 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, 50.089, 299.023 by changing the saturation by 10% instead.


 70, 50.089,
299.023


 70, 50.089,
299.023


 100, 50.089,
299.023


 60, 50.089,
299.023


 90, 50.089,
299.023

 50, 50.089,
299.023

 40, 50.089,
299.023

 30, 50.089,
299.023

 20, 50.089,
299.023

 10, 50.089,
299.023

 0, 50.089, 299.023

70, 50.089,
299.023

70, 50.089,
299.023

62, 65.146,
300.399

78, 35.556,
297.809

55, 80.572,
301.910

86, 21.588,
296.756

48, 95.943,
303.480

94, 8.171, 295.852

41, 110.338,
304.949

100, 2.150,
109.981

36, 122.152,
306.073

33, 129.478,
306.590

32, 131.261,
306.690

Harmonies

Complementary

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



70, 50.089, 299.023



96, 45.811, 112.532

Rectangle

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



70, 50.089, 299.023



70, 50.089, 349.023



70, 50.089, 119.023



70, 50.089, 169.023

Sweetspot

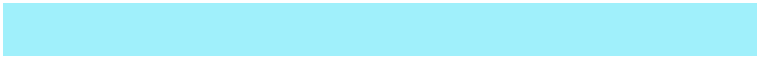
The Sweet Spot groups the original color and five complimentary colors.



70, 50.088, 299.023



91, 14.632, 296.262



90, 25.395, 210.524



48, 9.857, 296.385



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, 50.088, 299.023



65, 62.520, 300.077



74, 52.550, 314.651



48, 7.417, 296.127



23, 105.883, 306.771



4, 42.392, 303.599

Inverse Universe

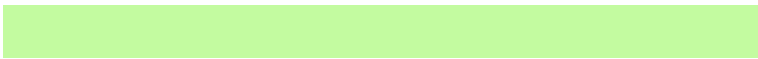
The Inverse Universe completely reimagines the original color for something new.



77, 52.038, 330.461



74, 63.342, 330.943



93, 50.618, 131.329



49, 8.135, 328.796



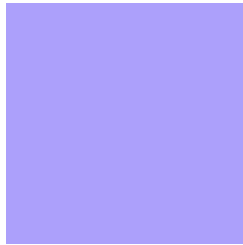
43, 83.108, 334.293



11, 38.091, 333.430

Previews

White Background



This preview shows how the CIELCh color 70, 50.089, 299.023 looks on a white background.

Color Contrast Check

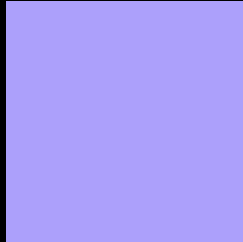
Large Text (above 18pt) WCAG AA × Fail

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, 50.089, 299.023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

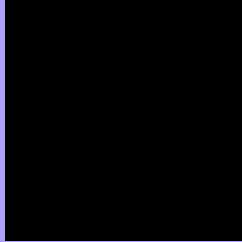
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 50.089, 299.023

Background



This preview shows how black text looks on a background with the CIELCh color 70, 50.089, 299.023.



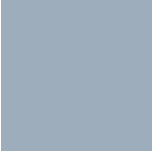
This preview shows how white text looks on a background with the CIELCh color 70, 50.089, 299.023.

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, 9.221, 255.642

Trichromacy



Original Color
70, 50.089, 299.023

Protanomaly
70, 48.199, 290.284

Deuteranomaly
70, 46.039, 289.107

Tritanomaly
70, 23.056, 288.265

Monochromacy



Original Color
70, 50.089, 299.023

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 18.157, 296.358

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 50.089, 299.023 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(172, 160, 251)` looks like.

```
.text, #text, p{  
    color:rgb(172, 160, 251)  
}
```

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(172, 160, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 160, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 50.089, 299.023 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(172, 160, 251) }
```

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

```
.border{ border-color:rgb(172, 160, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 160, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 160, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 160, 251);  
box-shadow:4px 4px 4px 4px rgb(172, 160,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 50.089, 299.023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 160, 251) }
```

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

```
.background{ background-color: rgb(172,  
160, 251) }
```

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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