

Converting Colors

CIELCh(71, 50.250, 296.119)

Have a look what the booklet for
CIELCh(71, 50.250, 296.119)
contains.

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Color

CIELCh(71, 49.782, 296.207)

Conversions

Conversions Part 1

Format	Color
Hex	A8A4FF
RGB	168, 164, 255
RGB Percent	66%, 64%, 100%
CMY	0.3405, 0.3562, 0.0000
CMYK	0.34, 0.36, 0.00, 0.00
HSL	243°, 100%, 82%
HSV	243°, 36%, 100%
XYZ	47.5717, 42.1875, 100.3994
YIQ	175.5700, -26.8270, 29.1490

Conversions

Conversions Part 2

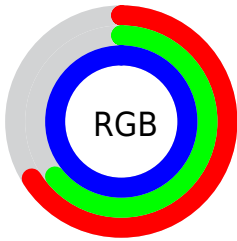
Format	Color
RYB	168, 164, 255
Decimal	11052287
CIELab	71.00, 21.98, -44.66
CIELCh	71, 49.782, 296.207
Yxy	42.1875, 0.2502, 0.2219
Android (android.graphics.Color)	4289242367 (0xFFA8A4FF)
YUV	175.5700, 39.1590, -6.6389
Hunter-Lab	64.9519, 17.0702, -46.1812

Details

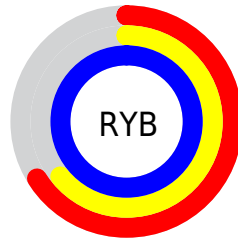
The CIELCh color $71, 49.782, 296.207$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $98, 45.386, 108.695$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 18.939, 297.828$, and $51, 50.090, 296.473$ is the 20% darker color. If you saturate the color by 10%, you get $63, 64.984, 297.880$, and if you desaturate by 10%, it is $79, 34.979, 294.747$.

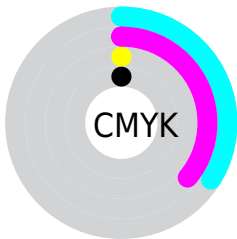
Distribution



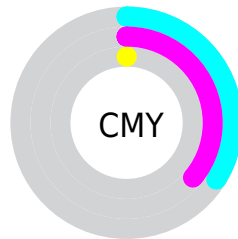
- Red (66%)
- Green (64%)
- Blue (100%)



- Red (66%)
- Yellow (64%)
- Blue (100%)



- Cyan (34%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 49.782, 296.207 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, 49.782, 296.207 by changing the saturation by 10% instead.

 71, 49.782,
296.207

 71, 49.782,
296.207

 100, 49.782,
296.207


 61, 49.782,
296.207

 91, 49.782,
296.207

 51, 49.782,
296.207

 41, 49.782,
296.207

 31, 49.782,
296.207

 21, 49.782,
296.207

 11, 49.782,
296.207

 1, 49.782, 296.207

■ 0, 49.782, 296.207

■ 71, 49.782,
296.207

■ 71, 49.782,
296.207

■ 63, 64.984,
297.880

■ 79, 34.979,
294.747

■ 55, 80.772,
299.759

■ 87, 20.886,
293.502

■ 48, 96.655,
301.757

■ 95, 7.369, 292.447

■ 41, 111.685,
303.688

100, 0.012,
296.813

■ 36, 124.088,
305.254

■ 33, 131.688,
306.145

■ 32, 133.624,
306.374

Harmonies

Complementary

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



71, 49.782, 296.207



98, 45.386, 108.695

Rectangle

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



71, 49.782, 296.207



71, 49.782, 346.207



71, 49.782, 116.207



71, 49.782, 166.207

Sweetspot

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



71, 49.681, 296.202



91, 14.573, 292.992



94, 27.339, 201.034



47, 9.818, 293.138



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, 49.681, 296.202



65, 60.921, 297.419



75, 51.609, 311.935



49, 7.510, 292.835



23, 107.561, 306.412



3, 44.234, 302.648

Inverse Universe

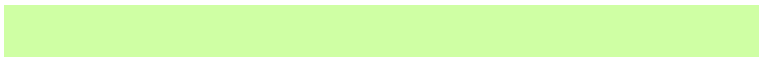
The Inverse Universe completely reimagines the original color for something new.



79, 54.988, 327.639



75, 65.771, 328.032



95, 49.233, 128.558



50, 8.789, 326.158



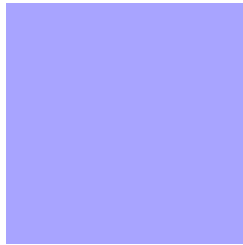
45, 89.909, 330.073



12, 41.536, 329.842

Previews

White Background



This preview shows how the CIELCh color 71, 49.782, 296.207 looks on a white background.

Color Contrast Check

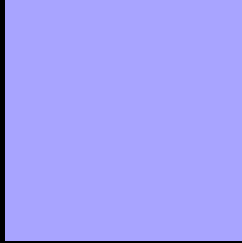
Large Text (above 18pt) WCAG AA × Fail

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, 49.782, 296.207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

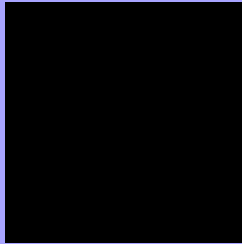
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 49.782, 296.207

Background



This preview shows how black text looks on a background with the CIELCh color 71, 49.782, 296.207.



This preview shows how white text looks on a background with the CIELCh color 71, 49.782, 296.207.

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

71, 49.782, 296.207

Protanopia

71, 46.106, 285.228

Deuteranopia

71, 44.672, 282.945



Tritanopia
71, 10.929, 243.538

Trichromacy



Original Color
71, 49.782, 296.207

Protanomaly
71, 46.988, 288.928

Deuteranomaly
71, 46.498, 288.121

Tritanomaly
71, 23.233, 281.737

Monochromacy



Original Color
71, 49.782, 296.207

Achromatopsia
72, 0.009, 296.813

Achromatomaly
71, 18.036, 293.030

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 49.782, 296.207 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(168, 164, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 164, 255)  
}
```

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(168, 164, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 164, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 49.782, 296.207 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(168, 164, 255) }
```

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

```
.border{ border-color:rgb(168, 164, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 164, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 164, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 164, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 164,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 49.782, 296.207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 164, 255) }
```

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

```
.background{ background-color: rgb(168,  
164, 255) }
```

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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