

Converting Colors

CIELCh(71, 56.283, 296.198)

Have a look what the booklet for
CIELCh(71, 56.283, 296.198)
contains.

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Color

CIELCh(71, 50.365, 295.921)

Conversions

Conversions Part 1

Format	Color
Hex	A7A4FF
RGB	167, 164, 255
RGB Percent	65%, 64%, 100%
CMY	0.3439, 0.3560, 0.0000
CMYK	0.34, 0.36, 0.00, 0.00
HSL	242°, 100%, 82%
HSV	242°, 36%, 100%
XYZ	47.5831, 42.1875, 101.3829
YIQ	175.2710, -27.4230, 28.9370

Conversions

Conversions Part 2

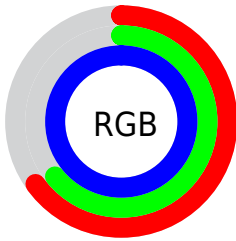
Format	Color
RYB	167, 164, 255
Decimal	10986751
CIELab	71.00, 22.02, -45.30
CIELCh	71, 50.365, 295.921
Yxy	42.1875, 0.2489, 0.2207
Android (android.graphics.Color)	4289176831 (0xFFA7A4FF)
YUV	175.2710, 39.3064, -7.2537
Hunter-Lab	64.9519, 17.1015, -47.0789

Details

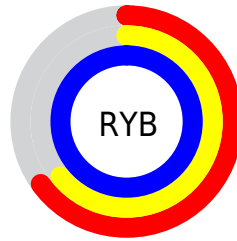
The CIELCh color `71, 50.365, 295.921` is a light color, and the websafe version is hex `9999FF`. A complement of this color would be `98, 45.345, 108.234`, and the grayscale version is `72, 0.009, 296.813`.

A 20% lighter version of the original color is `89, 18.902, 296.811`, and `51, 50.092, 296.151` is the 20% darker color. If you saturate the color by 10%, you get `63, 64.949, 297.597`, and if you desaturate by 10%, it is `79, 34.939, 294.393`.

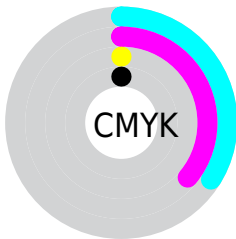
Distribution



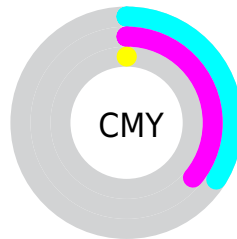
- Red (65%)
- Green (64%)
- Blue (100%)



- Red (65%)
- 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, 50.365, 295.921 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, 50.365, 295.921 by changing the saturation by 10% instead.


 71, 50.365,
295.921


 71, 50.365,
295.921


 100, 50.365,
295.921


 61, 50.365,
295.921


 91, 50.365,
295.921

 51, 50.365,
295.921

 41, 50.365,
295.921

 31, 50.365,
295.921

 21, 50.365,
295.921

 11, 50.365,
295.921

 1, 50.365, 295.921

0, 50.365, 295.921

71, 50.365,
295.921

71, 50.365,
295.921

63, 64.949,
297.597

79, 34.939,
294.393

55, 80.753,
299.524

87, 20.848,
293.123

48, 96.666,
301.575

95, 7.336, 292.049

41, 111.732,
303.562

100, 0.012,
296.813

36, 124.158,
305.179

33, 131.744,
306.110

■ 32, 133.669,
306.354

Harmonies

Complementary

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



71, 50.365, 295.921



98, 45.345, 108.234

Rectangle

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



71, 50.365, 295.921



71, 50.365, 345.921



71, 50.365, 115.921



71, 50.365, 165.921

Sweetspot

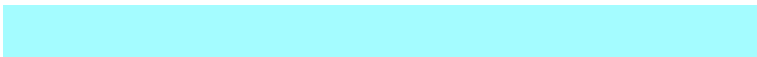
The Sweet Spot groups the original color and five complimentary colors.



71, 49.640, 295.880



91, 14.569, 292.607



94, 27.324, 201.035



47, 9.816, 292.755



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, 49.640, 295.880



65, 60.920, 297.130



75, 51.574, 311.934



49, 7.508, 292.447



23, 107.612, 306.383



3, 44.210, 302.444

Inverse Universe

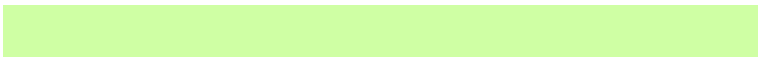
The Inverse Universe completely reimagines the original color for something new.



79, 55.335, 327.334



75, 66.226, 327.722



95, 49.202, 128.559



50, 8.851, 325.868



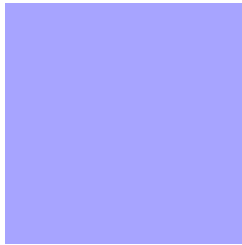
45, 90.643, 329.627



12, 41.834, 329.454

Previews

White Background



This preview shows how the CIELCh color 71, 50.365, 295.921 looks on a white background.

Color Contrast Check

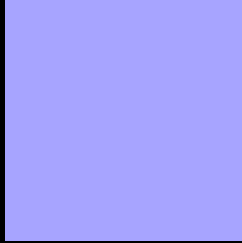
Large Text (above 18pt) WCAG AA × Fail

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, 50.365, 295.921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

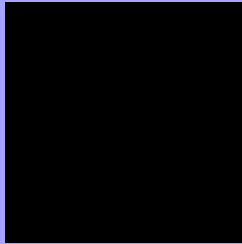
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 50.365, 295.921

Background



This preview shows how black text looks on a background with the CIELCh color 71, 50.365, 295.921.



This preview shows how white text looks on a background with the CIELCh color 71, 50.365, 295.921.

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, 49.775, 295.868

Protanopia
71, 46.106, 285.228

Deuteranopia
71, 44.714, 282.614



Tritanopia
71, 11.170, 242.322

Trichromacy



Original Color
71, 49.775, 295.868

Protanomaly
71, 46.988, 288.928

Deuteranomaly
71, 46.523, 287.784

Tritanomaly
71, 23.285, 280.953

Monochromacy



Original Color
71, 49.775, 295.868

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 18.055, 293.039

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 50.365, 295.921 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(167, 164, 255)` looks like.

```
.text, #text, p{  
    color:rgb(167, 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(167, 164, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 164, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 50.365, 295.921 is called "border". The border property can be set on classes, ids or directly on the HTML element.

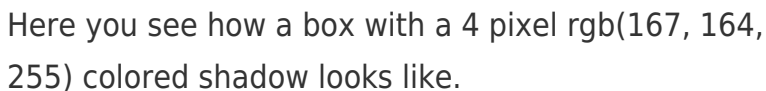
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 164, 255) }
```

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

```
.border{ border-color:rgb(167, 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(167, 164, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 164, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 164, 255); box-shadow:4px 4px 4px 4px rgb(167, 164, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 50.365, 295.921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 164, 255) }
```

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

```
.background{ background-color: rgb(167,  
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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