

Converting Colors

CIELCh(70, 46.272, 279.346)

Have a look what the booklet for
CIELCh(70, 46.272, 279.346)
contains.

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Color

CIELCh(70, 46.358, 279.430)

Conversions

Conversions Part 1

Format	Color
Hex	7FABFE
RGB	127, 171, 254
RGB Percent	50%, 67%, 100%
CMY	0.5023, 0.3297, 0.0043
CMYK	0.50, 0.33, 0.00, 0.00
HSL	219°, 98%, 75%
HSV	219°, 50%, 100%
XYZ	41.1610, 40.7494, 99.3860
YIQ	167.3060, -52.8670, 16.4850

Conversions

Conversions Part 2

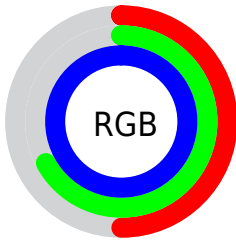
Format	Color
RYB	127, 160, 254
Decimal	8367102
CIELab	70.00, 7.60, -45.73
CIELCh	70, 46.358, 279.430
Yxy	40.7494, 0.2270, 0.2248
Android (android.graphics.Color)	4286557182 (0xFF7FABFE)
YUV	167.3060, 42.7401, -35.3484
Hunter-Lab	63.8353, 3.3852, -47.6247

Details

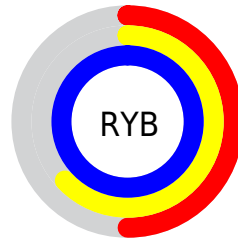
The CIELCh color **70, 46.358, 279.430** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **86, 46.986, 83.315**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 19.680, 249.475**, and **50, 46.515, 279.679** is the 20% darker color. If you saturate the color by 10%, you get **64, 56.120, 282.322**, and if you desaturate by 10%, it is **76, 36.796, 276.930**.

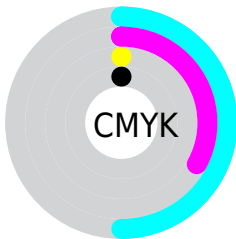
Distribution



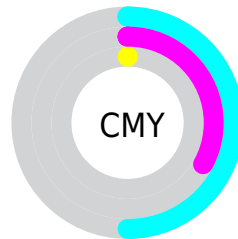
- Red (50%)
- Green (67%)
- Blue (100%)



- Red (50%)
- Yellow (63%)
- Blue (100%)



- Cyan (50%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 46.358, 279.430 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, 46.358, 279.430 by changing the saturation by 10% instead.


 70, 46.358,
279.430


 70, 46.358,
279.430


 100, 46.358,
279.430


 60, 46.358,
279.430


 90, 46.358,
279.430

 50, 46.358,
279.430

 40, 46.358,
279.430

 30, 46.358,
279.430

 20, 46.358,
279.430

 10, 46.358,
279.430

 0, 46.358, 279.430

70, 46.358,
279.430

70, 46.358,
279.430

64, 56.120,
282.322

76, 36.796,
276.930

59, 66.132,
285.597

82, 27.398,
274.790

54, 76.423,
289.189

88, 18.142,
272.969

49, 86.939,
292.945

94, 9.018, 271.426

44, 97.444,
296.580

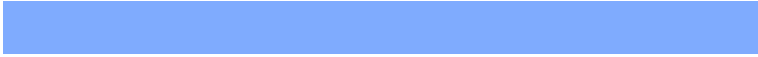
100, 0.025,
282.168

100, 0.541,
109.994

Harmonies

Complementary

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



70, 46.358, 279.430



86, 46.986, 83.315

Rectangle

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



70, 46.358, 279.430



70, 46.358, 329.430



70, 46.358, 99.430



70, 46.358, 149.430

Sweetspot

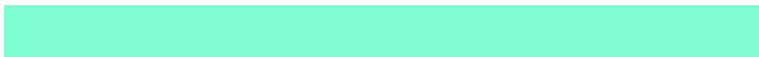
The Sweet Spot groups the original color and five complimentary colors.



70, 46.357, 279.430



91, 13.597, 272.162



92, 46.805, 167.047



47, 9.290, 272.493



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, 46.357, 279.430



65, 56.300, 282.321



60, 71.611, 301.444



50, 5.135, 271.355



33, 77.332, 295.940



9, 31.016, 290.687

Inverse Universe

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



69, 52.805, 359.407



64, 62.753, 1.653



96, 62.739, 112.388



50, 5.806, 353.663



40, 69.315, 16.954



10, 31.316, 9.275

Previews

White Background



This preview shows how the CIELCh color 70, 46.358, 279.430 looks on a white background.

Color Contrast Check

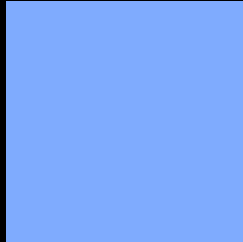
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 70, 46.358, 279.430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

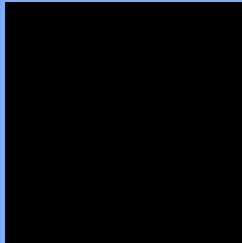
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

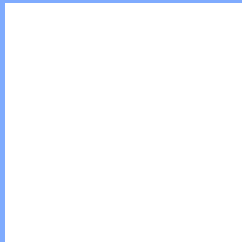
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 46.358, 279.430

Background



This preview shows how black text looks on a background with the CIELCh color 70, 46.358, 279.430.



This preview shows how white text looks on a background with the CIELCh color 70, 46.358, 279.430.

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, 46.358, 279.430

Protanopia

70, 45.713, 285.155

Deuteranopia

70, 46.584, 281.800



Tritanopia
70, 23.915, 218.039

Trichromacy



Original Color
70, 46.358, 279.430

Protanomaly
70, 45.893, 283.171

Deuteranomaly
70, 46.675, 281.201

Tritanomaly
70, 27.939, 250.630

Monochromacy



Original Color
70, 46.358, 279.430

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 17.731, 274.017

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 46.358, 279.430 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(127, 171, 254)` looks like.

```
.text, #text, p{  
    color:rgb(127, 171, 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(127, 171, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 171, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 46.358, 279.430 is called "border". The border property can be set on classes, ids or directly on the HTML element.

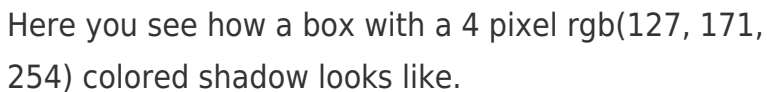
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 171, 254) }
```

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

```
.border{ border-color:rgb(127, 171, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(127, 171, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 171, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 171, 254); box-shadow:4px 4px 4px 4px rgb(127, 171, 254) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 46.358, 279.430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 171, 254) }
```

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

```
.background{ background-color: rgb(127,  
171, 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](#).

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