

Converting Colors

CIELCh(70, 47.707, 279.563)

Have a look what the booklet for
CIELCh(70, 47.707, 279.563)
contains.

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Color

CIELCh(70, 46.972, 279.126)

Conversions

Conversions Part 1

Format	Color
Hex	7DABFF
RGB	125, 171, 255
RGB Percent	49%, 67%, 100%
CMY	0.5094, 0.3291, 0.0000
CMYK	0.51, 0.33, 0.00, 0.00
HSL	219°, 100%, 75%
HSV	219°, 51%, 100%
XYZ	41.1136, 40.7494, 100.3819
YIQ	166.8220, -54.3800, 16.3720

Conversions

Conversions Part 2

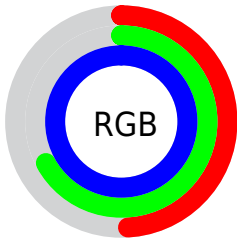
Format	Color
R _Y B	125, 159, 255
Decimal	8236031
CIE Lab	70.00, 7.45, -46.38
CIE LCh	70, 46.972, 279.126
Yxy	40.7494, 0.2256, 0.2236
Android (android.graphics.Color)	4286426111 (0xFF7DABFF)
YUV	166.8220, 43.4718, -36.6779
Hunter-Lab	63.8353, 3.2525, -48.5497

Details

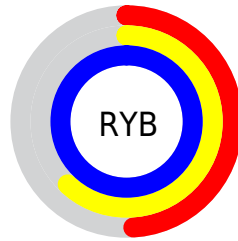
The CIELCh color **70, 46.972, 279.126** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **86, 47.816, 82.539**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 19.871, 248.803**, and **50, 47.170, 279.366** is the 20% darker color. If you saturate the color by 10%, you get **64, 56.605, 282.047**, and if you desaturate by 10%, it is **76, 37.436, 276.553**.

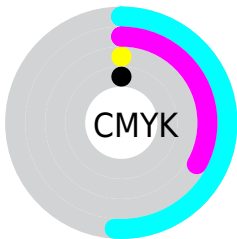
Distribution



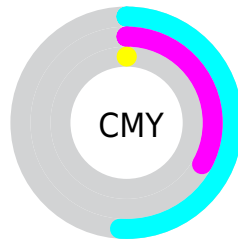
- Red (49%)
- Green (67%)
- Blue (100%)



- Red (49%)
- Yellow (62%)
- Blue (100%)



- Cyan (51%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (51%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 46.972, 279.126 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, 46.972, 279.126 by changing the saturation by 10% instead.


 70, 46.972,
279.126


 70, 46.972,
279.126


 100, 46.972,
279.126


 60, 46.972,
279.126


 90, 46.972,
279.126

 50, 46.972,
279.126

 40, 46.972,
279.126

 30, 46.972,
279.126

 20, 46.972,
279.126

 10, 46.972,
279.126

 0, 46.972, 279.126

70, 46.972,
279.126

70, 46.972,
279.126

64, 56.605,
282.047

76, 37.436,
276.553

59, 66.526,
285.379

82, 28.101,
274.372

54, 76.721,
289.023

88, 18.896,
272.515

49, 87.137,
292.823

94, 9.812, 270.942

45, 96.592,
296.155

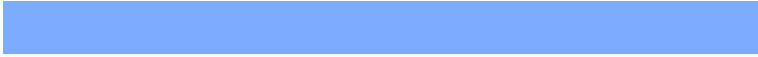
99, 0.849, 269.914

100, 0.012,
296.813

Harmonies

Complementary

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



70, 46.972, 279.126



86, 47.816, 82.539

Rectangle

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



70, 46.972, 279.126



70, 46.972, 329.126



70, 46.972, 99.126



70, 46.972, 149.126

Sweetspot

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



70, 46.925, 279.102



91, 13.483, 271.548



92, 48.410, 165.831



47, 9.211, 271.880



0, 0.000, 0.000



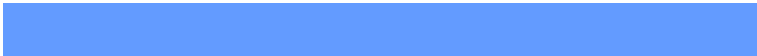
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70, 46.925, 279.102



64, 56.661, 282.065



60, 73.305, 301.138



50, 5.094, 270.738



34, 76.385, 295.497



9, 30.636, 290.178

Inverse Universe

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



69, 54.056, 359.057



64, 63.771, 1.342



96, 63.907, 111.566



50, 5.830, 353.169



40, 69.137, 16.241



10, 31.303, 8.672

Previews

White Background



This preview shows how the CIE LCh color 70, 46.972, 279.126 looks on a white background.

Color Contrast Check

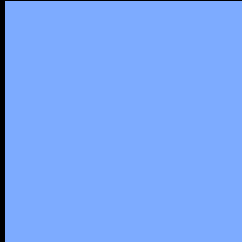
Large Text (above 18pt) WCAG AA × Fail

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, 46.972, 279.126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

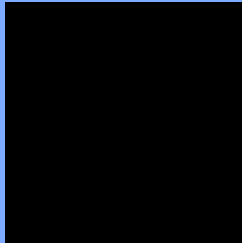
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

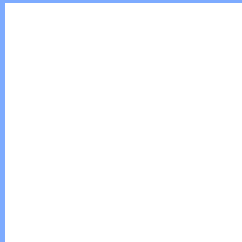
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 46.972, 279.126

Background



This preview shows how black text looks on a background with the CIELCh color 70, 46.972, 279.126.



This preview shows how white text looks on a background with the CIELCh color 70, 46.972, 279.126.

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, 46.972, 279.126

Protanopia
70, 46.243, 285.338

Deuteranopia
70, 47.149, 281.733



Tritanopia
70, 24.768, 215.869

Trichromacy



Original Color
70, 46.972, 279.126

Protanomaly
70, 46.459, 283.070

Deuteranomaly
70, 47.285, 280.857

Tritanomaly
70, 28.191, 248.102

Monochromacy



Original Color
70, 46.972, 279.126

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, 46.972, 279.126 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(125, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(125, 171, 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(125, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 171, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 46.972, 279.126 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(125, 171, 255) }
```

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

```
.border{ border-color:rgb(125, 171, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(125, 171,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 46.972, 279.126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 171, 255) }
```

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

```
.background{ background-color: rgb(125,  
171, 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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