

Converting Colors

CIELCh(70, 46.611, 274.913)

Have a look what the booklet for
CIELCh(70, 46.611, 274.913)
contains.

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Color

CIELCh(70, 46.611, 274.913)

Conversions

Conversions Part 1

Format	Color
Hex	72ADFF
RGB	114, 173, 255
RGB Percent	45%, 68%, 100%
CMY	0.5524, 0.3211, 0.0000
CMYK	0.55, 0.32, 0.00, 0.00
HSL	215°, 100%, 72%
HSV	215°, 55%, 100%
XYZ	39.9959, 40.7494, 100.4783
YIQ	164.7070, -61.4860, 12.9940

Conversions

Conversions Part 2

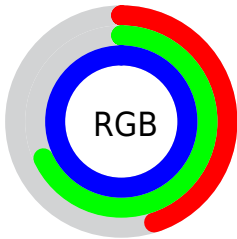
Format	Color
R _Y B	114, 156, 255
Decimal	7515647
CIE Lab	70.00, 3.99, -46.44
CIE LCh	70, 46.611, 274.913
Yxy	40.7494, 0.2207, 0.2249
Android (android.graphics.Color)	4285705727 (0xFF72ADFF)
YUV	164.7070, 44.5144, -44.4700
Hunter-Lab	63.8353, 0.1272, -48.6393

Details

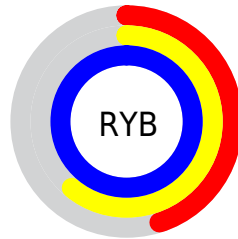
The CIELCh color **70, 46.611, 274.913** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **83, 50.247, 76.137**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 21.658, 239.463**, and **50, 46.724, 275.116** is the 20% darker color. If you saturate the color by 10%, you get **65, 55.097, 278.133**, and if you desaturate by 10%, it is **75, 38.064, 272.045**.

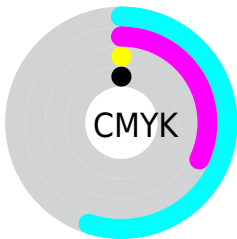
Distribution



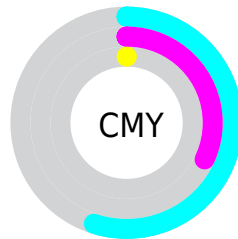
- Red (45%)
- Green (68%)
- Blue (100%)



- Red (45%)
- Yellow (61%)
- Blue (100%)



- Cyan (55%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)





- Cyan (55%)
- Magenta (32%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 46.611, 274.913 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, 46.611, 274.913 by changing the saturation by 10% instead.


 70, 46.611,
274.913


 70, 46.611,
274.913


 100, 46.611,
274.913


 60, 46.611,
274.913


 90, 46.611,
274.913

 50, 46.611,
274.913

 40, 46.611,
274.913

 30, 46.611,
274.913

 20, 46.611,
274.913

 10, 46.611,
274.913

 0, 46.611, 274.913

70, 46.611,
274.913

70, 46.611,
274.913

65, 55.097,
278.133

75, 38.064,
272.045

60, 63.792,
281.817

81, 29.619,
269.635

55, 72.698,
285.831

86, 21.189,
267.592

51, 81.838,
289.993

92, 12.775,
265.866

49, 86.264,
291.904

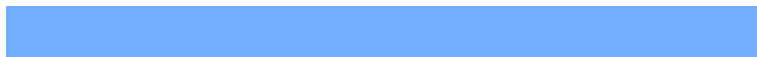
97, 4.388, 264.443

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.



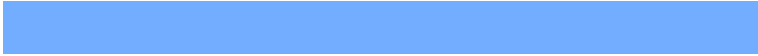
70, 46.611, 274.913



83, 50.247, 76.137

Rectangle

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



70, 46.611, 274.913



70, 46.611, 324.913



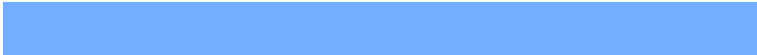
70, 46.611, 94.913



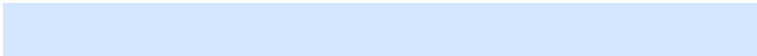
70, 46.611, 144.913

Sweetspot

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



70, 46.543, 274.869



91, 14.256, 266.149



91, 55.052, 161.147



47, 9.538, 266.482



0, 0.000, 0.000



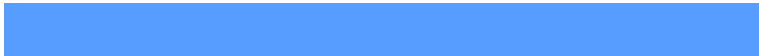
53, 0.007, 296.813

Same Dimension

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



70, 46.543, 274.869



64, 55.754, 278.400



56, 80.128, 300.201



50, 4.763, 265.007



37, 68.211, 291.164



10, 27.443, 285.285

Inverse Universe

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



67, 59.583, 355.359



62, 69.170, 357.793



97, 68.356, 108.157



50, 6.057, 349.086



41, 68.135, 9.985



10, 31.348, 3.202

Previews

White Background



This preview shows how the CIE LCh color 70, 46.611, 274.913 looks on a white background.

Color Contrast Check

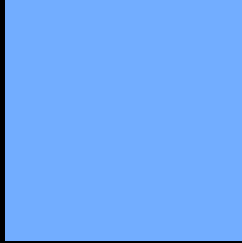
Large Text (above 18pt) WCAG AA × Fail

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, 46.611, 274.913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

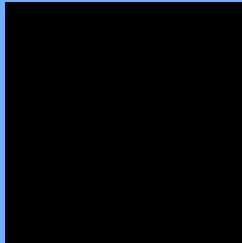
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

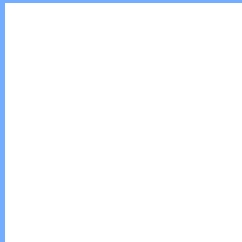
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 46.611, 274.913

Background



This preview shows how black text looks on a background with the CIELCh color 70, 46.611, 274.913.



This preview shows how white text looks on a background with the CIELCh color 70, 46.611, 274.913.

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, 46.611, 274.913

Protanopia

70, 45.693, 285.857

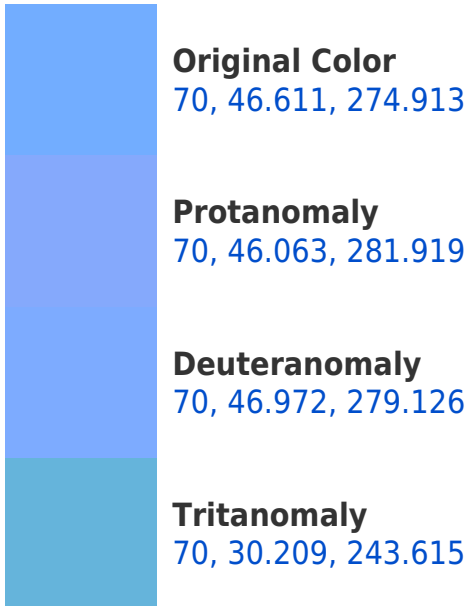
Deuteranopia

70, 47.194, 281.439

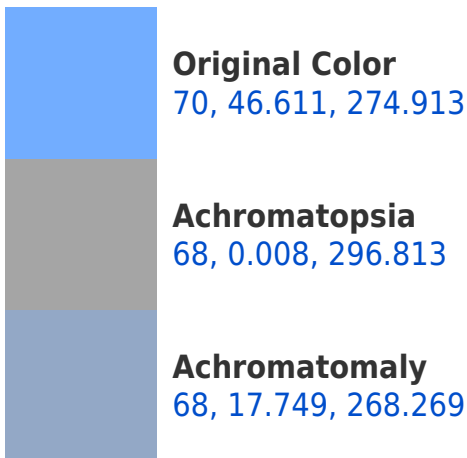


Tritanopia
70, 27.909, 214.744

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 46.611, 274.913 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(114, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(114, 173, 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(114, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 173, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 46.611, 274.913 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(114, 173, 255) }
```

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

```
.border{ border-color:rgb(114, 173, 255) }
```

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

Here you see how a box with a 4 pixel rgb(114, 173, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(114, 173,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 46.611, 274.913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 173, 255) }
```

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

```
.background{ background-color: rgb(114,  
173, 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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