

Converting Colors

CIELCh(71, 63.419, 287.859)

Have a look what the booklet for
CIELCh(71, 63.419, 287.859)
contains.

CIELCh(70, 48.198, 282.857)	3
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Color

CIELCh(70, 48.198, 282.857)

Conversions

Conversions Part 1

Format	Color
Hex	85A9FF
RGB	133, 169, 255
RGB Percent	52%, 66%, 100%
CMY	0.4774, 0.3366, 0.0000
CMYK	0.48, 0.34, 0.00, 0.00
HSL	222°, 100%, 76%
HSV	222°, 48%, 100%
XYZ	42.1911, 40.7494, 101.3320
YIQ	168.0400, -49.0620, 19.1140

Conversions

Conversions Part 2

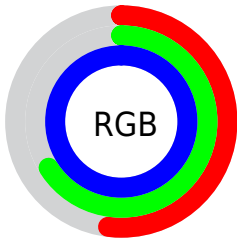
Format	Color
RYB	133, 161, 255
Decimal	8759807
CIELab	70.00, 10.72, -46.99
CIElCh	70, 48.198, 282.857
Yxy	40.7494, 0.2290, 0.2211
Android (android.graphics.Color)	4286949887 (0xFF85A9FF)
YUV	168.0400, 42.8713, -30.7301
Hunter-Lab	63.8353, 6.2654, -49.4321

Details

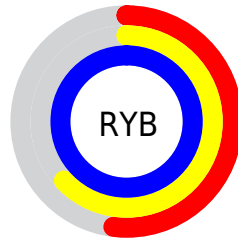
The CIELCh color **70, 48.198, 282.857** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **89, 46.632, 87.836**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 19.080, 257.488**, and **50, 47.912, 282.831** is the 20% darker color. If you saturate the color by 10%, you get **64, 58.206, 285.279**, and if you desaturate by 10%, it is **76, 37.140, 280.245**.

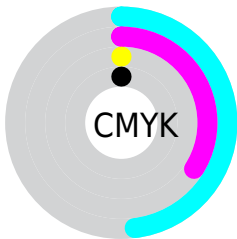
Distribution



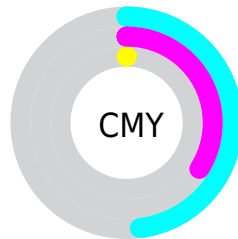
- Red (52%)
- Green (66%)
- Blue (100%)



- Red (52%)
- Yellow (63%)
- Blue (100%)



- Cyan (48%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 48.198, 282.857 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, 48.198, 282.857 by changing the saturation by 10% instead.

■ 70, 48.198,
282.857

■ 70, 48.198,
282.857

■ 100, 48.198,
282.857

■ 60, 48.198,
282.857

■ 90, 48.198,
282.857

■ 50, 48.198,
282.857

■ 40, 48.198,
282.857

■ 30, 48.198,
282.857

■ 20, 48.198,
282.857

■ 10, 48.198,
282.857

■ 0, 48.198, 282.857

■ 70, 48.198,
282.857

■ 70, 48.198,
282.857

■ 64, 58.206,
285.279

■ 76, 37.140,
280.245

■ 58, 69.210,
288.336

■ 82, 27.003,
278.244

■ 52, 80.531,
291.685

■ 89, 17.090,
276.539

■ 47, 92.033,
295.177

■ 95, 7.384, 275.097

■ 43, 103.329,
298.567

100, 0.012,
296.813

■ 42, 105.804,
299.265

Harmonies

Complementary

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



70, 48.198, 282.857



89, 46.632, 87.836

Rectangle

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



70, 48.198, 282.857



70, 48.198, 332.857



70, 48.198, 102.857



70, 48.198, 152.857

Sweetspot

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



70, 47.528, 282.580



91, 13.441, 275.971



92, 43.251, 170.784



47, 9.299, 276.295



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, 47.528, 282.580



64, 57.410, 285.068



63, 68.371, 302.530



50, 5.435, 275.333



31, 83.739, 298.686



7, 33.607, 293.825

Inverse Universe

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



70, 49.922, 2.702



65, 59.335, 4.793



96, 60.684, 114.769



50, 5.652, 357.170



40, 70.861, 21.723



10, 31.482, 13.104

Previews

White Background



This preview shows how the CIELCh color 70, 48.198, 282.857 looks on a white background.

Color Contrast Check

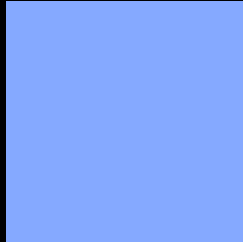
Large Text (above 18pt) WCAG AA × Fail

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, 48.198, 282.857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

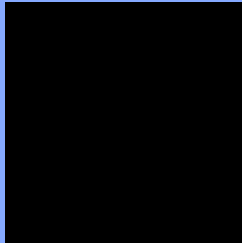
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

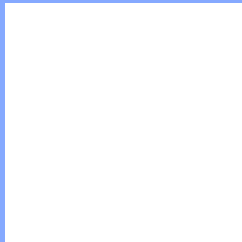
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 48.198, 282.857

Background



This preview shows how black text looks on a background with the CIELCh color 70, 48.198, 282.857.



This preview shows how white text looks on a background with the CIELCh color 70, 48.198, 282.857.

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, 47.629, 282.594

Protanopia

70, 47.882, 285.906

Deuteranopia

70, 47.149, 281.733



Tritanopia
70, 22.228, 219.781

Trichromacy



Original Color
70, 47.629, 282.594

Protanomaly
70, 47.441, 284.447

Deuteranomaly
70, 47.149, 281.733

Tritanomaly
70, 26.888, 253.722

Monochromacy



Original Color
70, 47.629, 282.594

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 18.009, 277.691

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 48.198, 282.857 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(133, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 169, 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(133, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 169, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 48.198, 282.857 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(133, 169, 255) }
```

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

```
.border{ border-color:rgb(133, 169, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 169,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 48.198, 282.857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 169, 255) }
```

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

```
.background{ background-color: rgb(133,  
169, 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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