

Converting Colors

CIELCh(70, 37.942, 287.398)

Have a look what the booklet for
CIELCh(70, 37.942, 287.398)
contains.

CIELCh(70, 37.870, 287.315)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(70, 37.870, 287.315)

Conversions

Conversions Part 1

Format	Color
Hex	9AA8ED
RGB	154, 168, 237
RGB Percent	60%, 66%, 93%
CMY	0.3979, 0.3429, 0.0725
CMYK	0.35, 0.29, 0.00, 0.07
HSL	230°, 69%, 76%
HSV	230°, 35%, 93%
XYZ	42.3725, 40.7494, 85.3813
YIQ	171.6800, -30.4930, 18.4910

Conversions

Conversions Part 2

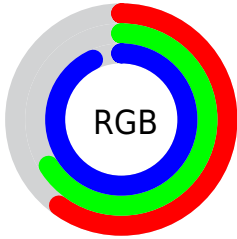
Format	Color
RYB	154, 166, 237
Decimal	10135789
CIELab	70.00, 11.27, -36.15
CIElCh	70, 37.870, 287.315
Yxy	40.7494, 0.2515, 0.2418
Android (android.graphics.Color)	4288325869 (0xFF9AA8ED)
YUV	171.6800, 32.2028, -15.5054
Hunter-Lab	63.8353, 6.7729, -34.6172

Details

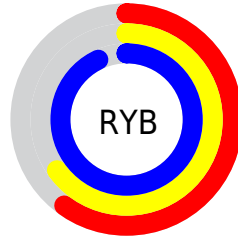
The CIELCh color `70, 37.870, 287.315` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `88, 35.945, 98.180`, and the grayscale version is `70, 0.009, 296.813`.

A 20% lighter version of the original color is `89, 17.122, 276.956`, and `50, 38.089, 287.604` is the 20% darker color. If you saturate the color by 10%, you get `63, 49.531, 289.357`, and if you desaturate by 10%, it is `77, 26.621, 285.565`.

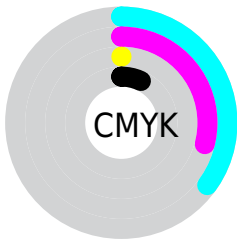
Distribution



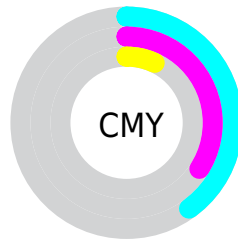
- Red (60%)
- Green (66%)
- Blue (93%)



- Red (60%)
- Yellow (65%)
- Blue (93%)



- Cyan (35%)
- Magenta (29%)
- Yellow (0%)
- Black (7%)



- Cyan (40%)
- Magenta (34%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 37.870, 287.315 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, 37.870, 287.315 by changing the saturation by 10% instead.

■ 70, 37.870,
287.315

■ 70, 37.870,
287.315

■ 100, 37.870,
287.315

■ 60, 37.870,
287.315

■ 90, 37.870,
287.315

■ 50, 37.870,
287.315

■ 40, 37.870,
287.315

■ 30, 37.870,
287.315

■ 20, 37.870,
287.315

■ 10, 37.870,
287.315

■ 0, 37.870, 287.315

70, 37.870,
287.315

70, 37.870,
287.315

63, 49.531,
289.357

77, 26.621,
285.565

57, 61.632,
291.708

83, 15.753,
284.073

50, 74.149,
294.351

90, 5.233, 282.816

44, 86.913,
297.197

97, 4.964, 101.659

39, 99.439,
300.063

100, 9.357,
109.468

35, 110.747,
302.671

33, 115.477,
303.732

Harmonies

Complementary

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



70, 37.870, 287.315



88, 35.945, 98.180

Rectangle

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



70, 37.870, 287.315



70, 37.870, 337.315



70, 37.870, 107.315



70, 37.870, 157.315

Sweetspot

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



70, 37.869, 287.315



92, 12.136, 283.537



88, 28.525, 181.263



48, 8.171, 283.713



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, 37.869, 287.315



70, 48.791, 288.730



69, 46.597, 304.827



46, 5.844, 283.336



25, 93.297, 303.348



4, 31.574, 294.346

Inverse Universe

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



72, 33.320, 9.764



73, 42.968, 11.016



90, 43.404, 120.431



46, 5.018, 6.455



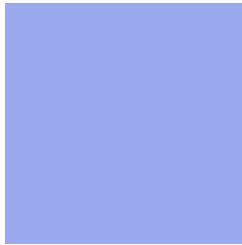
38, 73.297, 31.608



7, 27.969, 15.757

Previews

White Background



This preview shows how the CIELCh color 70, 37.870, 287.315 looks on a white background.

Color Contrast Check

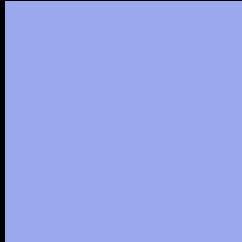
Large Text (above 18pt) WCAG AA × Fail

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, 37.870, 287.315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

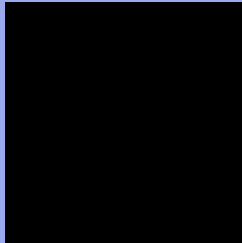
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 37.870, 287.315

Background



This preview shows how black text looks on a background with the CIELCh color 70, 37.870, 287.315.



This preview shows how white text looks on a background with the CIELCh color 70, 37.870, 287.315.

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, 37.870, 287.315

Protanopia

70, 37.988, 285.554

Deuteranopia

70, 36.954, 284.239



Tritanopia
70, 13.472, 233.549

Trichromacy



Original Color
70, 37.870, 287.315

Protanomaly
70, 37.956, 285.990

Deuteranomaly
70, 37.420, 285.806

Tritanomaly
70, 20.216, 266.854

Monochromacy



Original Color
70, 37.870, 287.315

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 13.774, 284.211

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 37.870, 287.315 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(154, 168, 237)` looks like.

```
.text, #text, p{  
    color:rgb(154, 168, 237)  
}
```

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(154, 168, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 168, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 37.870, 287.315 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(154, 168, 237) }
```

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

```
.border{ border-color:rgb(154, 168, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 168, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 168, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 168, 237);  
box-shadow:4px 4px 4px 4px rgb(154, 168,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 37.870, 287.315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 168, 237) }
```

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

```
.background{ background-color: rgb(154,  
168, 237) }
```

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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