

Converting Colors

CIELCh(71, 40.844, 271.848)

Have a look what the booklet for
CIELCh(71, 40.844, 271.848)
contains.

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Color

CIELCh(71, 40.821, 271.872)

Conversions

Conversions Part 1

Format	Color
Hex	7AB1F8
RGB	122, 177, 248
RGB Percent	48%, 69%, 97%
CMY	0.5229, 0.3071, 0.0288
CMYK	0.51, 0.29, 0.00, 0.03
HSL	214°, 90%, 72%
HSV	214°, 51%, 97%
XYZ	40.5272, 42.1875, 94.5366
YIQ	168.6490, -55.5710, 10.4210

Conversions

Conversions Part 2

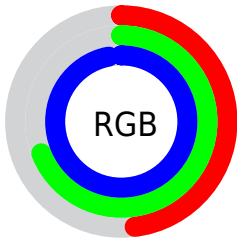
Format	Color
R _Y B	122, 160, 248
Decimal	8040952
CIE Lab	71.00, 1.33, -40.80
CIE LCh	71, 40.821, 271.872
Yxy	42.1875, 0.2286, 0.2380
Android (android.graphics.Color)	4286231032 (0xFF7AB1F8)
YUV	168.6490, 39.1200, -40.9112
Hunter-Lab	64.9519, -2.2894, -40.8294

Details

The CIELCh color **71, 40.821, 271.872** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **81, 44.589, 75.110**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 20.065, 235.419**, and **51, 40.579, 271.494** is the 20% darker color. If you saturate the color by 10%, you get **66, 48.829, 274.965**, and if you desaturate by 10%, it is **76, 32.823, 269.221**.

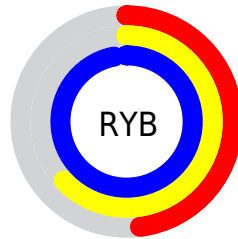
Distribution



Red (48%)

Green (69%)

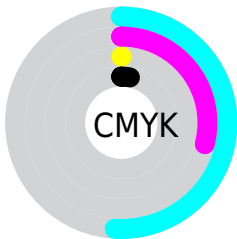
Blue (97%)



Red (48%)

Yellow (63%)

Blue (97%)

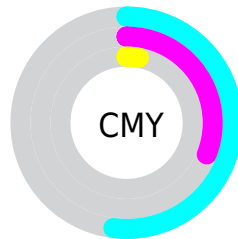


Cyan (51%)

Magenta (29%)

Yellow (0%)

Black (3%)



Cyan (52%)

Magenta (31%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 40.821, 271.872 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 71, 40.821, 271.872 by changing the saturation by 10% instead.

■ 71, 40.821,
271.872

■ 71, 40.821,
271.872

■ 100, 40.821,
271.872

■ 61, 40.821,
271.872

■ 91, 40.821,
271.872

■ 51, 40.821,
271.872

■ 41, 40.821,
271.872

■ 31, 40.821,
271.872

■ 21, 40.821,
271.872

■ 11, 40.821,
271.872

■ 1, 40.821, 271.872

0, 40.821, 271.872

71, 40.821,
271.872

71, 40.821,
271.872

66, 48.829,
274.965

76, 32.823,
269.221

61, 56.905,
278.508

81, 24.811,
266.971

57, 65.124,
282.450

86, 16.781,
265.071

52, 73.558,
286.656

92, 8.743, 263.475

49, 81.458,
290.478

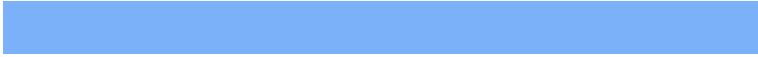
97, 0.711, 262.582

100, 3.711,
109.880

Harmonies

Complementary

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



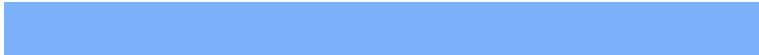
71, 40.821, 271.872



81, 44.589, 75.110

Rectangle

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



71, 40.821, 271.872



71, 40.821, 321.872



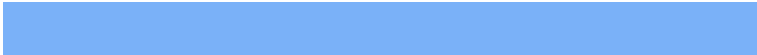
71, 40.821, 91.872



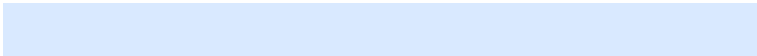
71, 40.821, 141.872

Sweetspot

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



71, 40.820, 271.872



92, 12.347, 264.102



89, 50.802, 160.866



48, 8.424, 264.440



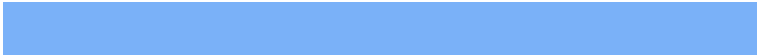
0, 0.000, 0.000



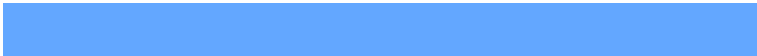
53, 0.007, 296.813

Same Dimension

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



71, 40.820, 271.872



68, 50.102, 275.038



57, 71.509, 298.977



49, 4.603, 263.279



37, 65.249, 289.742



10, 25.697, 283.380

Inverse Universe

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



67, 54.378, 353.303



64, 65.350, 355.312



95, 62.006, 107.695



49, 6.024, 348.007



40, 67.350, 8.183



10, 30.612, 1.342

Previews

White Background



This preview shows how the CIE LCh color 71, 40.821, 271.872 looks on a white background.

Color Contrast Check

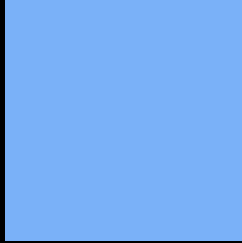
Large Text (above 18pt) WCAG AA × Fail

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 71, 40.821, 271.872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

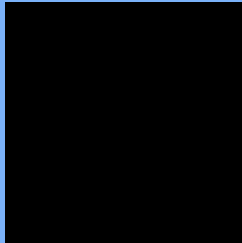
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

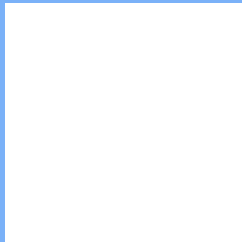
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 40.821, 271.872

Background



This preview shows how black text looks on a background with the CIELCh color 71, 40.821, 271.872.



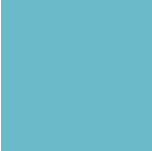
This preview shows how white text looks on a background with the CIELCh color 71, 40.821, 271.872.

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](#).

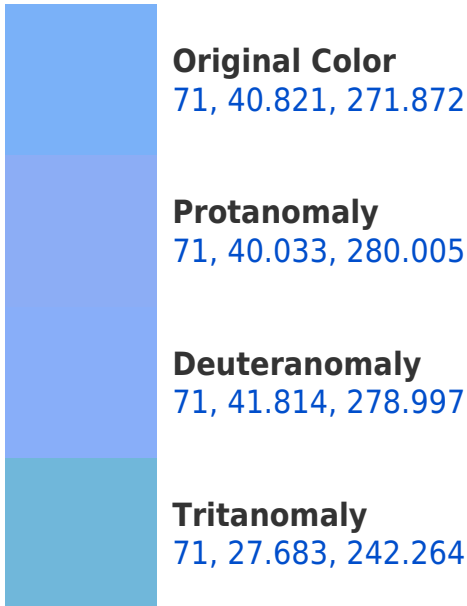
Dichromacy



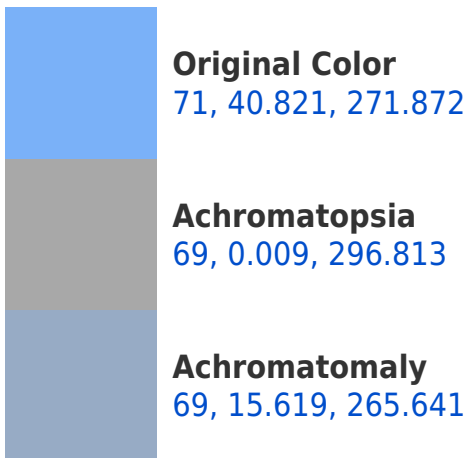


Tritanopia
71, 25.549, 216.523

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 40.821, 271.872 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(122, 177, 248)` looks like.

```
.text, #text, p{  
    color:rgb(122, 177, 248)  
}
```

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(122, 177, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 177, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 40.821, 271.872 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(122, 177, 248) }
```

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

```
.border{ border-color:rgb(122, 177, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 177, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 177, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 177, 248);  
box-shadow:4px 4px 4px 4px rgb(122, 177,  
248) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 40.821, 271.872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 177, 248) }
```

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

```
.background{ background-color: rgb(122,  
177, 248) }
```

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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