

Converting Colors

CIELCh(71, 45.489, 272.675)

Have a look what the booklet for
CIELCh(71, 45.489, 272.675)
contains.

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Color

CIELCh(71, 44.842, 271.969)

Conversions

Conversions Part 1

Format	Color
Hex	71B1FF
RGB	113, 177, 255
RGB Percent	44%, 69%, 100%
CMY	0.5567, 0.3058, 0.0000
CMYK	0.56, 0.31, 0.00, 0.00
HSL	213°, 100%, 72%
HSV	213°, 56%, 100%
XYZ	40.5942, 42.1875, 100.6331
YIQ	166.7560, -63.1820, 10.6900

Conversions

Conversions Part 2

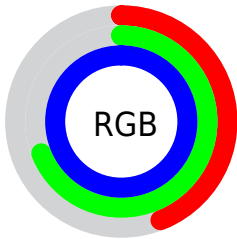
Format	Color
R _Y B	113, 157, 255
Decimal	7451135
CIE Lab	71.00, 1.54, -44.82
CIE LCh	71, 44.842, 271.969
Yxy	42.1875, 0.2213, 0.2300
Android (android.graphics.Color)	4285641215 (0xFF71B1FF)
YUV	166.7560, 43.5043, -47.1440
Hunter-Lab	64.9519, -2.1053, -46.3945

Details

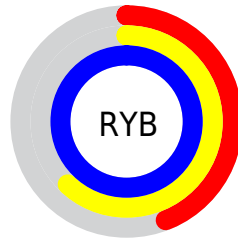
The CIELCh color **71, 44.842, 271.969** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **82, 50.033, 73.080**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 21.704, 232.158**, and **51, 44.800, 271.904** is the 20% darker color. If you saturate the color by 10%, you get **66, 52.796, 275.306**, and if you desaturate by 10%, it is **76, 36.862, 269.076**.

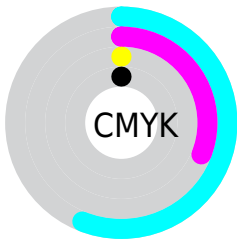
Distribution



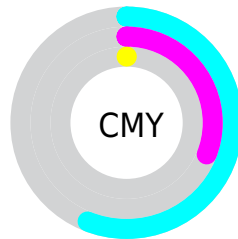
- Red (44%)
- Green (69%)
- Blue (100%)



- Red (44%)
- Yellow (62%)
- Blue (100%)



- Cyan (56%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)




- Cyan (56%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 44.842, 271.969 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, 44.842, 271.969 by changing the saturation by 10% instead.


 71, 44.842,
271.969


 71, 44.842,
271.969


 100, 44.842,
271.969


 61, 44.842,
271.969


 91, 44.842,
271.969

 51, 44.842,
271.969

 41, 44.842,
271.969

 31, 44.842,
271.969

 21, 44.842,
271.969

 11, 44.842,
271.969

 1, 44.842, 271.969

■ 0, 44.842, 271.969

■ 71, 44.842,
271.969

■ 71, 44.842,
271.969

■ 66, 52.796,
275.306

■ 76, 36.862,
269.076

■ 61, 60.838,
279.103

■ 81, 28.860,
266.624

■ 57, 69.042,
283.262

■ 86, 20.811,
264.554

■ 53, 77.476,
287.604

■ 92, 12.723,
262.813

■ 51, 81.209,
289.422

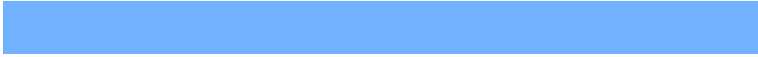
■ 97, 4.612, 261.382

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.



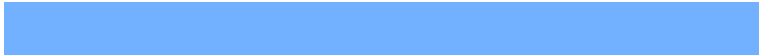
71, 44.842, 271.969



82, 50.033, 73.080

Rectangle

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



71, 44.842, 271.969



71, 44.842, 321.969



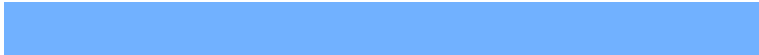
71, 44.842, 91.969



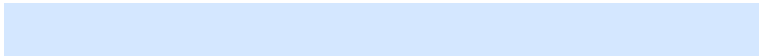
71, 44.842, 141.969

Sweetspot

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



71, 44.828, 271.960



91, 13.797, 263.027



91, 57.102, 159.220



47, 9.226, 263.360



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, 44.828, 271.960



65, 53.857, 275.785



55, 80.878, 299.528



50, 4.618, 261.888



39, 64.231, 288.642



11, 25.932, 282.491

Inverse Universe

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



67, 60.777, 353.255



62, 70.683, 355.696



97, 68.743, 106.529



50, 6.180, 347.183



41, 67.998, 6.864



10, 31.493, 0.522

Previews

White Background



This preview shows how the CIELCh color 71, 44.842, 271.969 looks on a white background.

Color Contrast Check

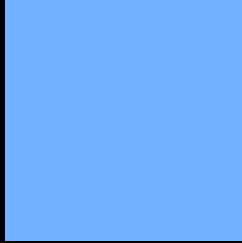
Large Text (above 18pt) WCAG AA × Fail

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, 44.842, 271.969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

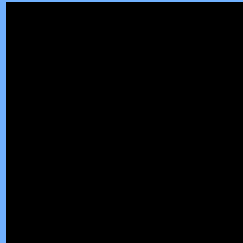
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

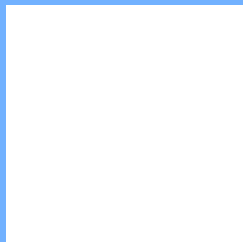
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 44.842, 271.969

Background



This preview shows how black text looks on a background with the CIELCh color 71, 44.842, 271.969.

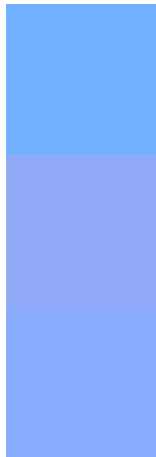


This preview shows how white text looks on a background with the CIELCh color 71, 44.842, 271.969.

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

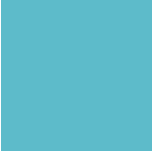
71, 44.842, 271.969

Protanopia

71, 43.401, 285.383

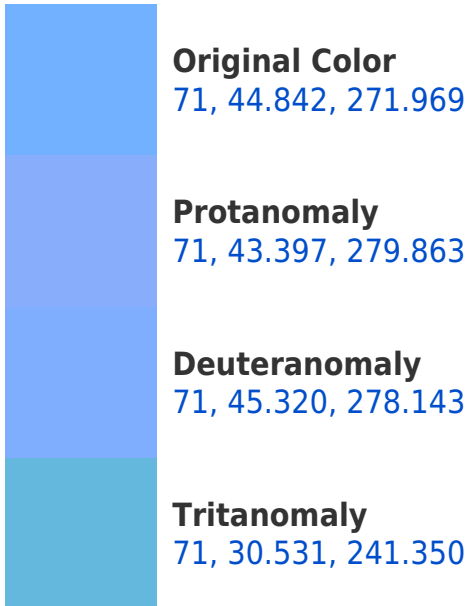
Deuteranopia

71, 45.888, 282.099

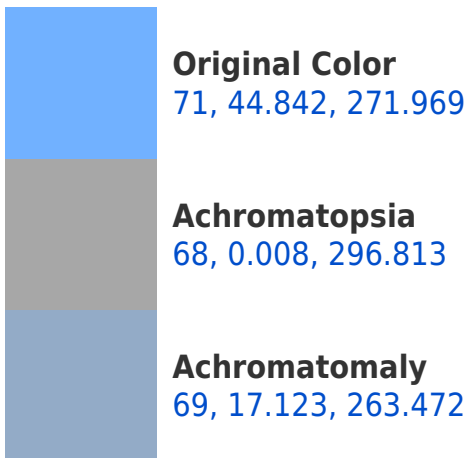


Tritanopia
71, 28.564, 214.258

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 44.842, 271.969 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(113, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(113, 177, 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(113, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 177, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 44.842, 271.969 is called "border". The border property can be set on classes, ids or directly on the HTML element.

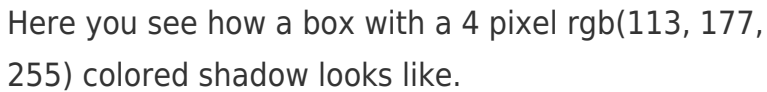
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(113, 177, 255) }
```

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

```
.border{ border-color:rgb(113, 177, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(113, 177, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 177, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 177, 255); box-shadow:4px 4px 4px 4px rgb(113, 177, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 44.842, 271.969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 177, 255) }
```

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

```
.background{ background-color: rgb(113,  
177, 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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