

Converting Colors

CIELCh(69, 47.116, 271.915)

Have a look what the booklet for
CIELCh(69, 47.116, 271.915)
contains.

CIELCh(69, 46.896, 271.729)	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(69, 46.896, 271.729)

Conversions

Conversions Part 1

Format	Color
Hex	65ACFD
RGB	101, 172, 253
RGB Percent	40%, 67%, 99%
CMY	0.6041, 0.3256, 0.0080
CMYK	0.60, 0.32, 0.00, 0.01
HSL	212°, 97%, 69%
HSV	212°, 60%, 99%
XYZ	37.8306, 39.3444, 98.4957
YIQ	160.0050, -68.3170, 10.1390

Conversions

Conversions Part 2

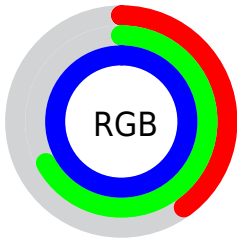
Format	Color
RYB	101, 149, 253
Decimal	6663421
CIELab	69.00, 1.41, -46.87
CIElCh	69, 46.896, 271.729
Yxy	39.3444, 0.2153, 0.2240
Android (android.graphics.Color)	4284853501 (0xFF65ACFD)
YUV	160.0050, 45.8465, -51.7474
Hunter-Lab	62.7251, -2.1125, -49.1940

Details

The CIELCh color **69, 46.896, 271.729** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **79, 53.711, 70.895**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 24.314, 235.711**, and **49, 47.004, 271.912** is the 20% darker color. If you saturate the color by 10%, you get **64, 54.522, 275.313**, and if you desaturate by 10%, it is **74, 39.257, 268.625**.

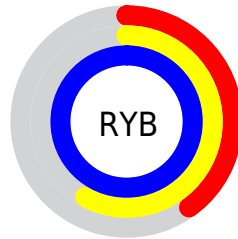
Distribution



Red (40%)

Green (67%)

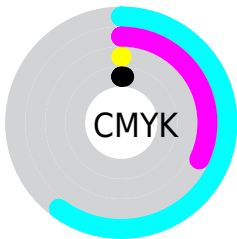
Blue (99%)



Red (40%)

Yellow (58%)

Blue (99%)

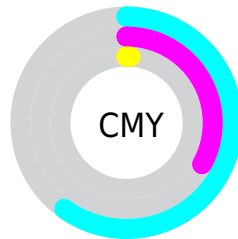


Cyan (60%)

Magenta (32%)

Yellow (0%)

Black (1%)



Cyan (60%)


Magenta (33%)

Yellow (1%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 46.896, 271.729 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 69, 46.896, 271.729 by changing the saturation by 10% instead.

 69, 46.896,
271.729

 69, 46.896,
271.729


 100, 46.896,
271.729


 59, 46.896,
271.729


 89, 46.896,
271.729

 49, 46.896,
271.729

 99, 46.896,
271.729

 39, 46.896,
271.729

 29, 46.896,
271.729

 19, 46.896,
271.729

 9, 46.896, 271.729

 0, 46.896, 271.729

■ 69, 46.896,
271.729

■ 69, 46.896,
271.729

■ 64, 54.522,
275.313

■ 74, 39.257,
268.625

■ 60, 62.224,
279.336

■ 79, 31.558,
265.980

■ 56, 70.100,
283.678

■ 84, 23.780,
263.747

■ 52, 78.152,
288.025

■ 89, 15.928,
261.869

■ 94, 8.019, 260.303

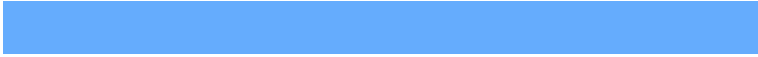
■ 99, 0.079, 264.080

■ 100, 1.023,
110.026

Harmonies

Complementary

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



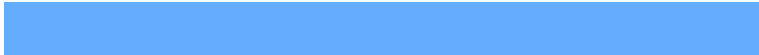
69, 46.896, 271.729



79, 53.711, 70.895

Rectangle

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



69, 46.896, 271.729



69, 46.896, 321.729



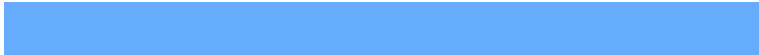
69, 46.896, 91.729



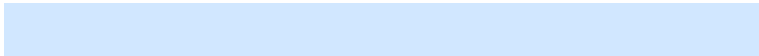
69, 46.896, 141.729

Sweetspot

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



69, 46.895, 271.730



91, 14.374, 261.519



90, 61.447, 157.633



47, 9.980, 262.013



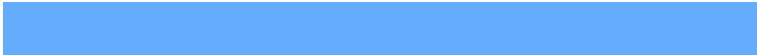
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 46.895, 271.730



64, 56.352, 276.062



51, 87.404, 300.094



50, 4.550, 260.222



40, 62.231, 287.243



11, 25.183, 280.956

Inverse Universe

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



64, 64.901, 353.006



60, 74.696, 355.767



97, 72.881, 105.394



50, 6.246, 346.241



41, 68.020, 5.275



10, 31.598, 359.173

Previews

White Background



This preview shows how the CIE LCh color 69, 46.896, 271.729 looks on a white background.

Color Contrast Check

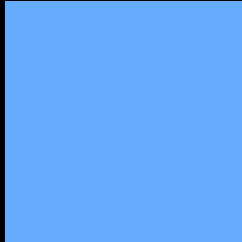
Large Text (above 18pt) WCAG AA × Fail

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 69, 46.896, 271.729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

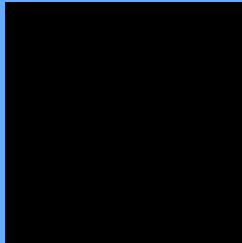
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

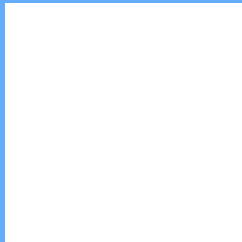
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 46.896, 271.729

Background



This preview shows how black text looks on a background with the CIELCh color 69, 46.896, 271.729.

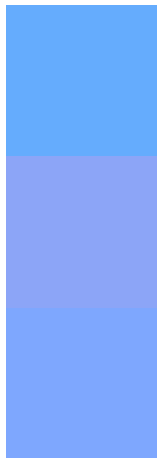


This preview shows how white text looks on a background with the CIELCh color 69, 46.896, 271.729.

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

69, 46.896, 271.729

Protanopia

69, 45.286, 285.416

Deuteranopia

69, 48.457, 281.483



Tritanopia
69, 30.901, 212.832

Trichromacy



Original Color
69, 46.896, 271.729

Protanomaly
69, 45.353, 279.637

Deuteranomaly
69, 47.876, 277.888

Tritanomaly
69, 32.392, 239.746

Monochromacy



Original Color
69, 46.896, 271.729

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 18.323, 264.601

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 46.896, 271.729 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(101, 172, 253)` looks like.

```
.text, #text, p{  
    color:rgb(101, 172, 253)  
}
```

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(101, 172, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 172, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 46.896, 271.729 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(101, 172, 253) }
```

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

```
.border{ border-color:rgb(101, 172, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 172, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 172, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 172, 253); box-shadow:4px 4px 4px 4px rgb(101, 172, 253) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 46.896, 271.729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 172, 253) }
```

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

```
.background{ background-color: rgb(101,  
172, 253) }
```

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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