

Converting Colors

CIELCh(69, 36.118, 273.147)

Have a look what the booklet for
CIELCh(69, 36.118, 273.147)
contains.

CIELCh(69, 36.198, 273.247)	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, 36.198, 273.247)

Conversions

Conversions Part 1

Format	Color
Hex	7FAAE9
RGB	127, 170, 233
RGB Percent	50%, 67%, 91%
CMY	0.5004, 0.3318, 0.0847
CMYK	0.45, 0.27, 0.00, 0.08
HSL	216°, 71%, 71%
HSV	216°, 45%, 92%
XYZ	38.0270, 39.3444, 82.9900
YIQ	164.3250, -45.8510, 10.4770

Conversions

Conversions Part 2

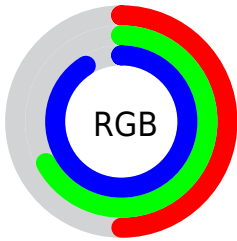
Format	Color
RYB	127, 158, 233
Decimal	8366825
CIELab	69.00, 2.05, -36.14
CIElCh	69, 36.198, 273.247
Yxy	39.3444, 0.2371, 0.2453
Android (android.graphics.Color)	4286556905 (0xFF7FAAE9)
YUV	164.3250, 33.8568, -32.7340
Hunter-Lab	62.7251, -1.5536, -34.5376

Details

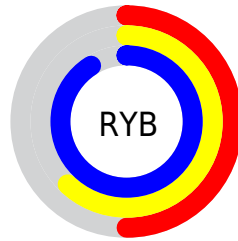
The CIELCh color `69, 36.198, 273.247` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `80, 38.254, 78.819`, and the grayscale version is `68, 0.008, 296.813`.

A 20% lighter version of the original color is `88, 20.062, 250.587`, and `49, 36.271, 273.264` is the 20% darker color. If you saturate the color by 10%, you get `64, 44.291, 276.035`, and if you desaturate by 10%, it is `74, 28.160, 270.862`.

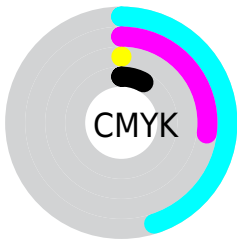
Distribution



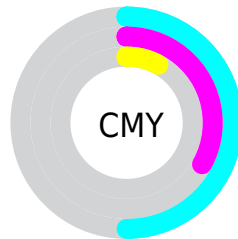
- Red (50%)
- Green (67%)
- Blue (91%)



- Red (50%)
- Yellow (62%)
- Blue (91%)



- Cyan (45%)
- Magenta (27%)
- Yellow (0%)
- Black (8%)



- Cyan (50%)
- Magenta (33%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 36.198, 273.247 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, 36.198, 273.247 by changing the saturation by 10% instead.

■ 69, 36.198,
273.247

■ 69, 36.198,
273.247

■ 100, 36.198,
273.247

■ 59, 36.198,
273.247

■ 89, 36.198,
273.247

■ 49, 36.198,
273.247

■ 99, 36.198,
273.247

■ 39, 36.198,
273.247

■ 29, 36.198,
273.247

■ 19, 36.198,
273.247

■ 9, 36.198, 273.247

■ 0, 36.198, 273.247

■ 69, 36.198,
273.247

■ 69, 36.198,
273.247

■ 64, 44.291,
276.035

■ 74, 28.160,
270.862

■ 59, 52.482,
279.250

■ 79, 20.161,
268.835

■ 54, 60.828,
282.870

■ 84, 12.198,
267.120

■ 50, 69.385,
286.804

■ 90, 4.277, 265.699

■ 95, 3.591, 84.270

■ 46, 78.155,
290.872

■ 99, 10.262,
106.687

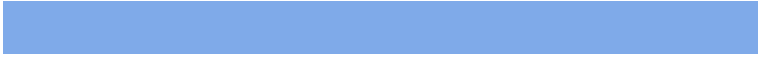
■ 44, 82.234,
292.656

■ 99, 10.927,
109.351

Harmonies

Complementary

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



69, 36.198, 273.247



80, 38.254, 78.819

Rectangle

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



69, 36.198, 273.247



69, 36.198, 323.247



69, 36.198, 93.247



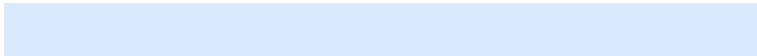
69, 36.198, 143.247

Sweetspot

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



69, 36.197, 273.247



92, 11.898, 266.910



85, 42.513, 163.564



48, 8.218, 267.250



0, 0.000, 0.000



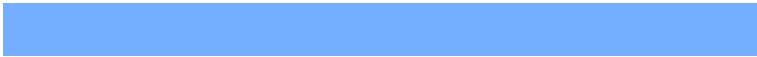
53, 0.007, 296.813

Same Dimension

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



69, 36.197, 273.247



70, 46.353, 275.692



58, 60.170, 298.884



46, 4.507, 266.234



34, 66.814, 291.969



7, 24.211, 284.628

Inverse Universe

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



66, 45.894, 354.428



67, 58.085, 356.035



90, 53.333, 109.676



46, 5.610, 349.890



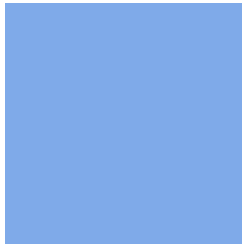
38, 65.511, 11.057



7, 27.980, 2.467

Previews

White Background



This preview shows how the CIELCh color 69, 36.198, 273.247 looks on a white background.

Color Contrast Check

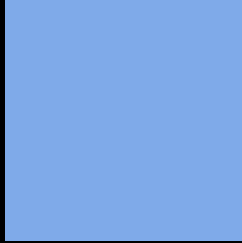
Large Text (above 18pt) WCAG AA × Fail

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 69, 36.198, 273.247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

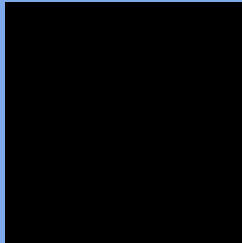
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

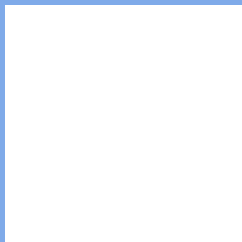
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 36.198, 273.247

Background



This preview shows how black text looks on a background with the CIELCh color 69, 36.198, 273.247.



This preview shows how white text looks on a background with the CIELCh color 69, 36.198, 273.247.

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, 36.198, 273.247

Protanopia
69, 35.352, 285.078

Deuteranopia
69, 37.640, 284.109



Tritanopia
69, 21.116, 219.486

Trichromacy



Original Color
69, 36.198, 273.247

Protanomaly
69, 35.200, 280.108

Deuteranomaly
69, 36.880, 280.106

Tritanomaly
69, 23.941, 246.123

Monochromacy



Original Color
69, 36.198, 273.247

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 13.686, 267.472

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 36.198, 273.247 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(127, 170, 233)` looks like.

```
.text, #text, p{  
    color:rgb(127, 170, 233)  
}
```

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(127, 170, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 170, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 36.198, 273.247 is called "border". The border property can be set on classes, ids or directly on the HTML element.

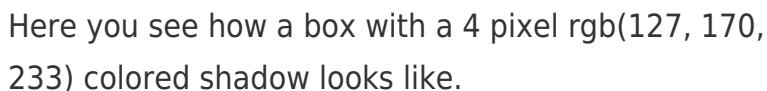
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 170, 233) }
```

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

```
.border{ border-color:rgb(127, 170, 233) }
```

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



Here you see how a box with a 4 pixel `rgb(127, 170, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 170, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 170, 233);  
box-shadow:4px 4px 4px 4px rgb(127, 170,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 36.198, 273.247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 170, 233) }
```

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

```
.background{ background-color: rgb(127,  
170, 233) }
```

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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