

Converting Colors

CIELCh(69, 42.028, 268.147)

Have a look what the booklet for
CIELCh(69, 42.028, 268.147)
contains.

CIELCh(69, 42.003, 268.074)	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, 42.003, 268.074)

Conversions

Conversions Part 1

Format	Color
Hex	68ADF4
RGB	104, 173, 244
RGB Percent	41%, 68%, 96%
CMY	0.5923, 0.3217, 0.0433
CMYK	0.57, 0.29, 0.00, 0.04
HSL	210°, 86%, 68%
HSV	210°, 57%, 96%
XYZ	36.9651, 39.3444, 91.2049
YIQ	160.4630, -63.9150, 7.4530

Conversions

Conversions Part 2

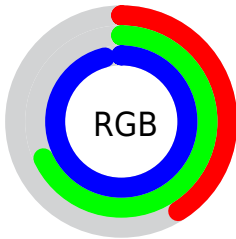
Format	Color
RYB	104, 150, 244
Decimal	6860276
CIELab	69.00, -1.41, -41.98
CIELCh	69, 42.003, 268.074
Yxy	39.3444, 0.2207, 0.2349
Android (android.graphics.Color)	4285050356 (0xFF68ADF4)
YUV	160.4630, 41.1837, -49.5181
Hunter-Lab	62.7251, -4.5756, -42.3026

Details

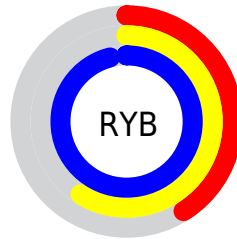
The CIELCh color **69, 42.003, 268.074** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **77, 49.292, 68.823**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 23.836, 234.963**, and **49, 41.806, 267.838** is the 20% darker color. If you saturate the color by 10%, you get **65, 48.956, 271.556**, and if you desaturate by 10%, it is **74, 34.958, 265.089**.

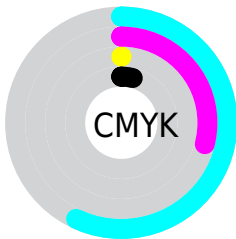
Distribution



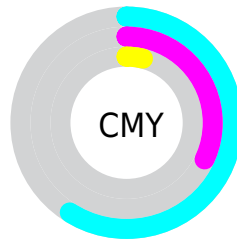
- Red (41%)
- Green (68%)
- Blue (96%)



- Red (41%)
- Yellow (59%)
- Blue (96%)



- Cyan (57%)
- Magenta (29%)
- Yellow (0%)
- Black (4%)





- Cyan (59%)
- Magenta (32%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 42.003, 268.074 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, 42.003, 268.074 by changing the saturation by 10% instead.


 69, 42.003,
268.074


 69, 42.003,
268.074


 100, 42.003,
268.074


 59, 42.003,
268.074


 89, 42.003,
268.074

 49, 42.003,
268.074

 99, 42.003,
268.074

 39, 42.003,
268.074

 29, 42.003,
268.074

 19, 42.003,
268.074

 9, 42.003, 268.074

 0, 42.003, 268.074

69, 42.003,
268.074

69, 42.003,
268.074

65, 48.956,
271.556

74, 34.958,
265.089

60, 55.895,
275.523

78, 27.788,
262.566

56, 62.924,
279.887

83, 20.490,
260.447

53, 70.153,
284.453

88, 13.080,
258.675

52, 72.096,
285.599

93, 5.583, 257.217

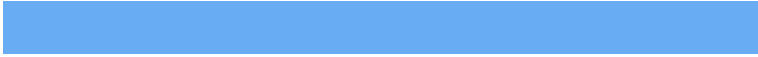
97, 1.971, 75.658

100, 5.584,
109.747

Harmonies

Complementary

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



69, 42.003, 268.074



77, 49.292, 68.823

Rectangle

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



69, 42.003, 268.074



69, 42.003, 318.074



69, 42.003, 88.074



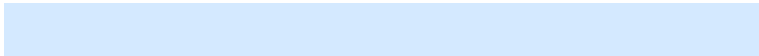
69, 42.003, 138.074

Sweetspot

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



69, 42.002, 268.074



91, 13.260, 258.620



87, 58.266, 157.216



48, 8.860, 258.949



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, 42.002, 268.074



67, 51.899, 272.227



51, 80.720, 299.146



49, 4.304, 257.496



40, 57.859, 284.788



10, 22.451, 277.558

Inverse Universe

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



63, 61.357, 350.758



61, 73.324, 353.155



94, 68.081, 104.795



48, 6.143, 344.795



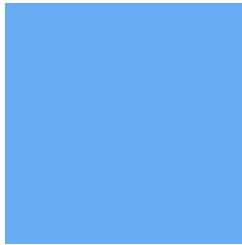
40, 66.827, 2.703



9, 30.192, 356.457

Previews

White Background



This preview shows how the CIE LCh color 69, 42.003, 268.074 looks on a white background.

Color Contrast Check

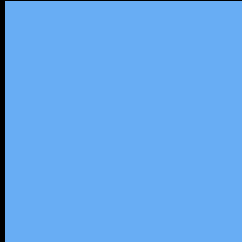
Large Text (above 18pt) WCAG AA × Fail

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, 42.003, 268.074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

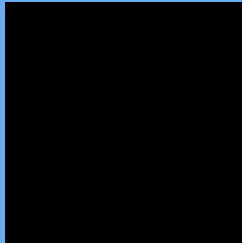
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

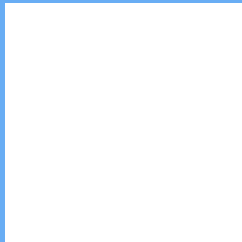
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 42.003, 268.074

Background



This preview shows how black text looks on a background with the CIELCh color 69, 42.003, 268.074.

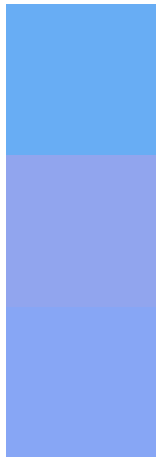


This preview shows how white text looks on a background with the CIELCh color 69, 42.003, 268.074.

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, 42.003, 268.074

Protanopia

69, 40.316, 285.570

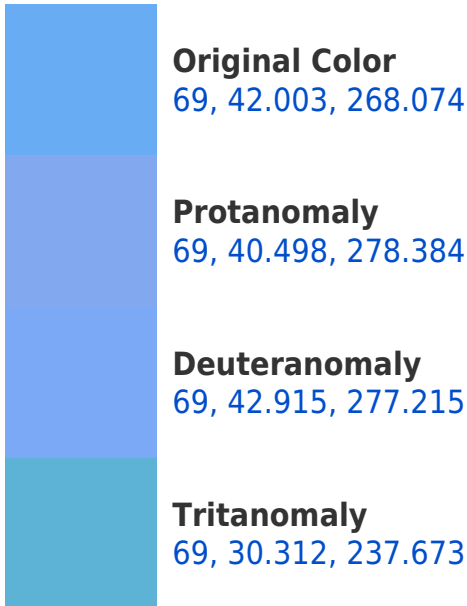
Deuteranopia

69, 43.880, 282.742

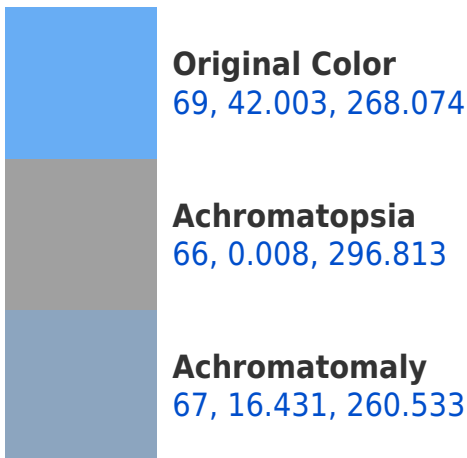


Tritanopia
69, 29.064, 213.981

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 42.003, 268.074 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(104, 173, 244)` looks like.

```
.text, #text, p{  
    color:rgb(104, 173, 244)  
}
```

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(104, 173, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 173, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 42.003, 268.074 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(104, 173, 244) }
```

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

```
.border{ border-color:rgb(104, 173, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 173, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 173, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 173, 244);  
box-shadow:4px 4px 4px 4px rgb(104, 173,  
244) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 42.003, 268.074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 173, 244) }
```

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

```
.background{ background-color: rgb(104,  
173, 244) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor