

Converting Colors

CIELCh(68, 49.536, 274.396)

Have a look what the booklet for
CIELCh(68, 49.536, 274.396)
contains.

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Color

CIELCh(68, 49.829, 274.563)

Conversions

Conversions Part 1

Format	Color
Hex	63A8FF
RGB	99, 168, 255
RGB Percent	39%, 66%, 100%
CMY	0.6108, 0.3404, 0.0000
CMYK	0.61, 0.34, 0.00, 0.00
HSL	213°, 100%, 69%
HSV	213°, 61%, 100%
XYZ	37.2898, 37.9720, 100.1428
YIQ	157.2870, -69.0510, 12.4290

Conversions

Conversions Part 2

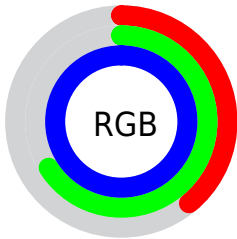
Format	Color
R _Y B	99, 147, 255
Decimal	6531327
CIE Lab	68.00, 3.96, -49.67
CIE LCh	68, 49.829, 274.563
Yxy	37.9720, 0.2126, 0.2165
Android (android.graphics.Color)	4284721407 (0xFF63A8FF)
YUV	157.2870, 48.1725, -51.1177
Hunter-Lab	61.6215, 0.1804, -53.2189

Details

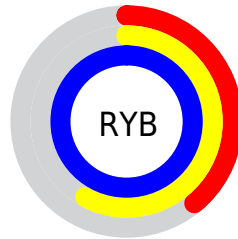
The CIELCh color **68, 49.829, 274.563** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **80, 55.401, 73.044**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 24.839, 241.345**, and **48, 50.200, 274.965** is the 20% darker color. If you saturate the color by 10%, you get **63, 57.883, 278.074**, and if you desaturate by 10%, it is **73, 41.629, 271.377**.

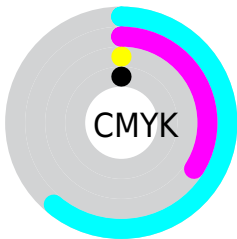
Distribution



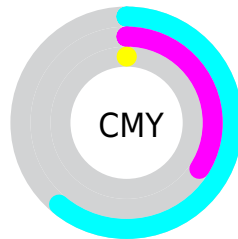
- Red (39%)
- Green (66%)
- Blue (100%)



- Red (39%)
- Yellow (58%)
- Blue (100%)



- Cyan (61%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)




- Cyan (61%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 49.829, 274.563 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 68, 49.829, 274.563 by changing the saturation by 10% instead.

 68, 49.829,
274.563

 68, 49.829,
274.563

 100, 49.829,
274.563


 58, 49.829,
274.563


 88, 49.829,
274.563

 48, 49.829,
274.563

 98, 49.829,
274.563

 38, 49.829,
274.563

 28, 49.829,
274.563

 18, 49.829,
274.563

 8, 49.829, 274.563

 0, 49.829, 274.563

■ 68, 49.829,
274.563

■ 68, 49.829,
274.563

■ 63, 57.883,
278.074

■ 73, 41.629,
271.377

■ 59, 66.177,
282.054

■ 78, 33.530,
268.704

■ 54, 74.685,
286.302

■ 83, 25.403,
266.438

■ 51, 82.477,
290.075

■ 89, 17.247,
264.525

■ 94, 9.072, 262.920

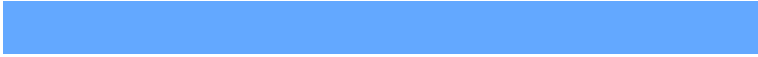
■ 99, 0.896, 261.929

■ 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.



68, 49.829, 274.563



80, 55.401, 73.044

Rectangle

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



68, 49.829, 274.563



68, 49.829, 324.563



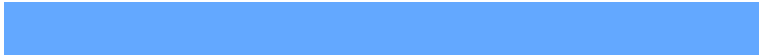
68, 49.829, 94.563



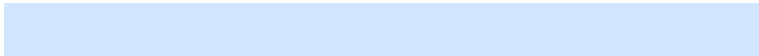
68, 49.829, 144.563

Sweetspot

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



68, 49.728, 274.497



90, 14.727, 263.999



91, 60.813, 159.274



47, 10.232, 264.495



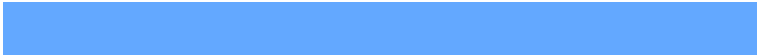
0, 0.000, 0.000



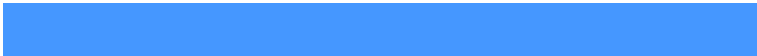
53, 0.007, 296.813

Same Dimension

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



68, 49.728, 274.497



62, 59.458, 278.808



51, 89.466, 300.961



50, 4.654, 262.694



38, 65.229, 289.305



11, 26.308, 283.222

Inverse Universe

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



64, 65.570, 354.910



60, 74.782, 357.888



97, 74.421, 106.957



50, 6.148, 347.656



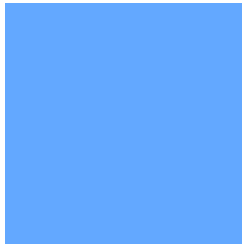
41, 68.010, 7.651



10, 31.449, 1.195

Previews

White Background



This preview shows how the CIE LCh color 68, 49.829, 274.563 looks on a white background.

Color Contrast Check

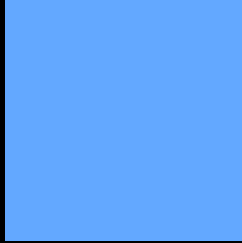
Large Text (above 18pt) WCAG AA × Fail

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 68, 49.829, 274.563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

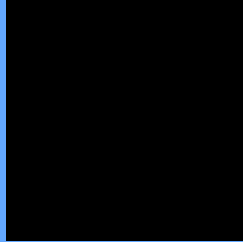
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

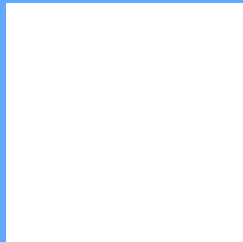
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 49.829, 274.563

Background



This preview shows how black text looks on a background with the CIELCh color 68, 49.829, 274.563.

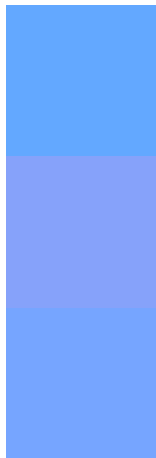


This preview shows how white text looks on a background with the CIELCh color 68, 49.829, 274.563.

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
68, 49.829, 274.563

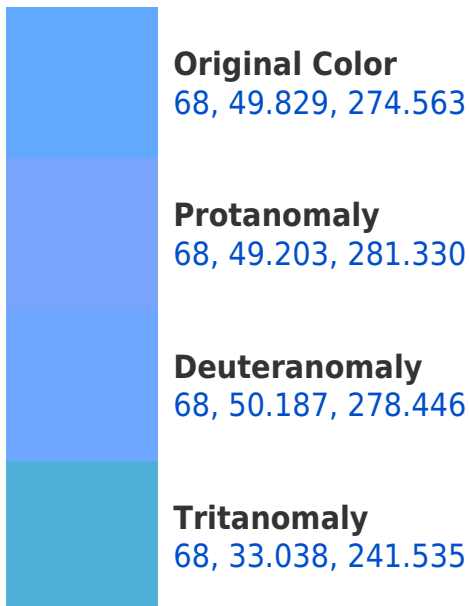
Protanopia
68, 48.722, 285.671

Deuteranopia
68, 50.371, 280.721

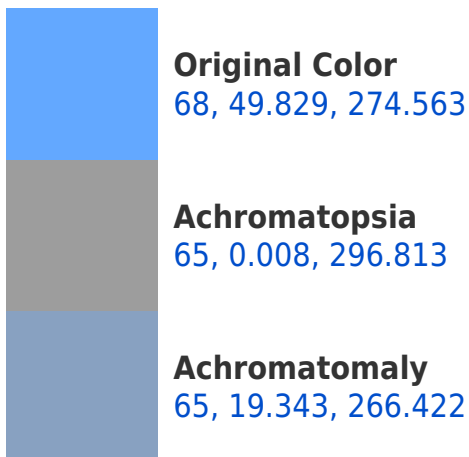


Tritanopia
68, 31.137, 212.723

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 49.829, 274.563 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(99, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(99, 168, 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(99, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 168, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 49.829, 274.563 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(99, 168, 255) }
```

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

```
.border{ border-color:rgb(99, 168, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(99, 168,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 49.829, 274.563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 168, 255) }
```

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

```
.background{ background-color: rgb(99, 168,  
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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