

Converting Colors

CIELCh(68, 49.578, 268.884)

Have a look what the booklet for
CIELCh(68, 49.578, 268.884)
contains.

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Color

CIELCh(68, 49.578, 268.884)

Conversions

Conversions Part 1

Format	Color
Hex	4FABFF
RGB	79, 171, 255
RGB Percent	31%, 67%, 100%
CMY	0.6905, 0.3297, 0.0003
CMYK	0.69, 0.33, 0.00, 0.00
HSL	209°, 100%, 65%
HSV	209°, 69%, 100%
XYZ	35.8033, 37.9720, 99.9846
YIQ	153.0680, -81.7960, 6.6200

Conversions

Conversions Part 2

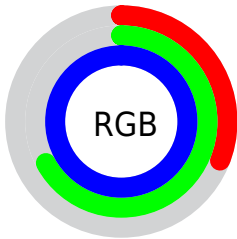
Format	Color
R _Y B	79, 139, 255
Decimal	5221375
CIE Lab	68.00, -0.97, -49.57
CIE LCh	68, 49.578, 268.884
Yxy	37.9720, 0.2061, 0.2185
Android (android.graphics.Color)	4283411455 (0xFF4FABFF)
YUV	153.0680, 50.2525, -64.9576
Hunter-Lab	61.6215, -4.1255, -53.0667

Details

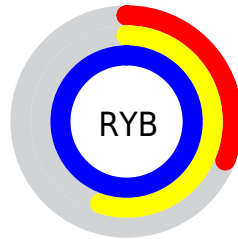
The CIELCh color **68, 49.578, 268.884** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **75, 62.475, 64.381**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 27.932, 231.387**, and **49, 48.788, 272.468** is the 20% darker color. If you saturate the color by 10%, you get **64, 56.160, 273.015**, and if you desaturate by 10%, it is **72, 42.917, 265.270**.

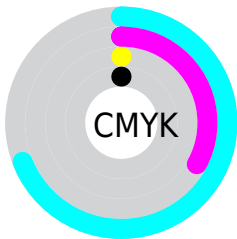
Distribution



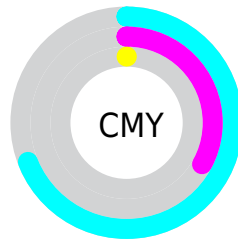
- Red (31%)
- Green (67%)
- Blue (100%)



- Red (31%)
- Yellow (55%)
- Blue (100%)



- Cyan (69%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (69%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 49.578, 268.884 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, 49.578, 268.884 by changing the saturation by 10% instead.

 68, 49.578,
268.884

 68, 49.578,
268.884

 100, 49.578,
268.884

 58, 49.578,
268.884

 88, 49.578,
268.884

 48, 49.578,
268.884

 98, 49.578,
268.884

 38, 49.578,
268.884

 28, 49.578,
268.884

 18, 49.578,
268.884

 8, 49.578, 268.884

 0, 49.578, 268.884

■ 68, 49.578,
268.884

■ 68, 49.578,
268.884

■ 64, 56.160,
273.015

■ 72, 42.917,
265.270

■ 60, 62.792,
277.564

■ 77, 36.095,
262.183

■ 56, 69.620,
282.295

■ 81, 29.073,
259.586

■ 56, 70.291,
282.727

■ 86, 21.853,
257.418

■ 91, 14.456,
255.616

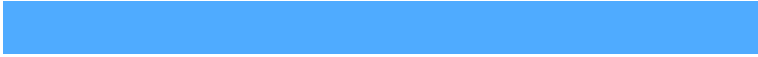
■ 96, 6.918, 254.135

■ 100, 0.027,
107.345

Harmonies

Complementary

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



68, 49.578, 268.884



75, 62.475, 64.381

Rectangle

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



68, 49.578, 268.884



68, 49.578, 318.884



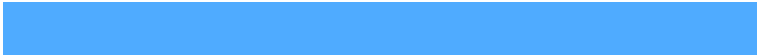
68, 49.578, 88.884



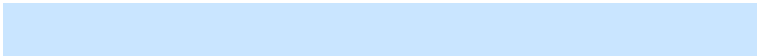
68, 49.578, 138.884

Sweetspot

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



68, 49.577, 268.885



90, 15.919, 255.942



90, 72.451, 153.568



47, 10.749, 256.424



0, 0.000, 0.000



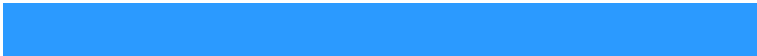
53, 0.007, 296.813

Same Dimension

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



68, 49.577, 268.885



62, 58.784, 274.774



46, 98.763, 300.762



51, 4.348, 254.195



43, 55.684, 281.859



12, 22.776, 275.129

Inverse Universe

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



61, 74.283, 351.084



57, 81.965, 354.619



96, 79.726, 102.234



50, 6.481, 343.185



41, 68.545, 359.957



11, 32.102, 354.716

Previews

White Background



This preview shows how the CIE LCh color 68, 49.578, 268.884 looks on a white background.

Color Contrast Check

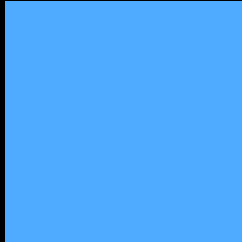
Large Text (above 18pt) WCAG AA × Fail

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 68, 49.578, 268.884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

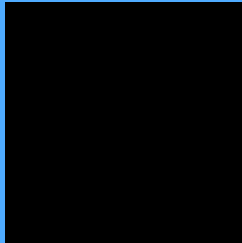
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

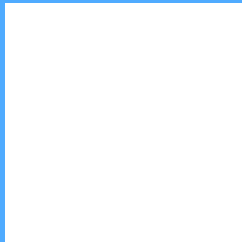
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 49.578, 268.884

Background



This preview shows how black text looks on a background with the CIELCh color 68, 49.578, 268.884.



This preview shows how white text looks on a background with the CIELCh color 68, 49.578, 268.884.

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





Tritanopia
68, 35.863, 210.294

Trichromacy



Original Color
68, 49.578, 268.884

Protanomaly
68, 47.941, 278.646

Deuteranomaly
68, 50.045, 276.252

Tritanomaly
68, 36.355, 235.300

Monochromacy



Original Color
68, 49.578, 268.884

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 19.722, 257.260

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 49.578, 268.884 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(79, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(79, 171, 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(79, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 171, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 49.578, 268.884 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(79, 171, 255) }
```

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

```
.border{ border-color:rgb(79, 171, 255) }
```

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

Here you see how a box with a 4 pixel rgb(79, 171, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(79, 171,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 49.578, 268.884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 171, 255) }
```

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

```
.background{ background-color: rgb(79, 171,  
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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