

Converting Colors

CIELCh(68, 49.698, 263.046)

Have a look what the booklet for
CIELCh(68, 49.698, 263.046)
contains.

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Color

CIELCh(68, 49.374, 262.580)

Conversions

Conversions Part 1

Format	Color
Hex	31AEFE
RGB	49, 174, 254
RGB Percent	19%, 68%, 100%
CMY	0.8059, 0.3187, 0.0051
CMYK	0.80, 0.32, 0.00, 0.01
HSL	203°, 99%, 59%
HSV	203°, 80%, 99%
XYZ	34.2179, 37.9720, 99.0494
YIQ	145.7450, -100.1800, -1.6200

Conversions

Conversions Part 2

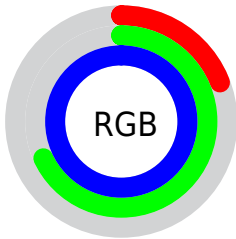
Format	Color
R _Y B	49, 127, 254
Decimal	3256062
CIE Lab	68.00, -6.38, -48.96
CIE LCh	68, 49.374, 262.580
Yxy	37.9720, 0.1998, 0.2217
Android (android.graphics.Color)	4281446142 (0xFF31AEFE)
YUV	145.7450, 53.3697, -84.8454
Hunter-Lab	61.6215, -8.7179, -52.1668

Details

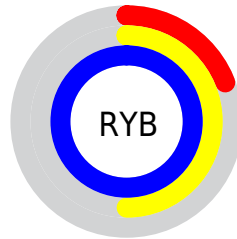
The CIELCh color **68, 49.374, 262.580** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **67, 74.798, 55.455**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 31.672, 223.478**, and **49, 46.837, 269.841** is the 20% darker color. If you saturate the color by 10%, you get **65, 54.081, 267.396**, and if you desaturate by 10%, it is **71, 44.499, 258.320**.

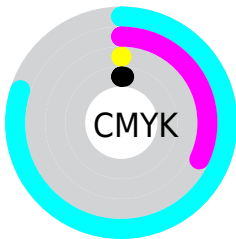
Distribution



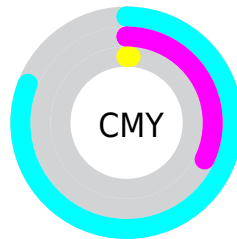
- Red (19%)
- Green (68%)
- Blue (100%)



- Red (19%)
- Yellow (50%)
- Blue (100%)



- Cyan (80%)
- Magenta (32%)
- Yellow (0%)
- Black (1%)



- Cyan (81%)
- Magenta (32%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 49.374, 262.580 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, 49.374, 262.580 by changing the saturation by 10% instead.

 68, 49.374,
262.580

 68, 49.374,
262.580

 100, 49.374,
262.580


 58, 49.374,
262.580


 88, 49.374,
262.580

 48, 49.374,
262.580

 98, 49.374,
262.580

 38, 49.374,
262.580

 28, 49.374,
262.580

 18, 49.374,
262.580

 8, 49.374, 262.580

 0, 49.374, 262.580

68, 49.374,
262.580

68, 49.374,
262.580

65, 54.081,
267.396

71, 44.499,
258.320

62, 58.609,
272.247

75, 39.310,
254.680

79, 33.725,
251.642

83, 27.726,
249.143

87, 21.338,
247.103

91, 14.609,
245.446

95, 7.599, 244.116

99, 0.366, 244.395

100, 0.642,
110.009

Harmonies

Complementary

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



68, 49.374, 262.580



67, 74.798, 55.455

Rectangle

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



68, 49.374, 262.580



68, 49.374, 312.580



68, 49.374, 82.580



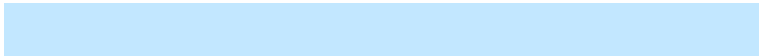
68, 49.374, 132.580

Sweetspot

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



68, 49.373, 262.581



90, 17.075, 245.989



88, 87.239, 147.674



46, 11.653, 246.583



0, 0.000, 0.000



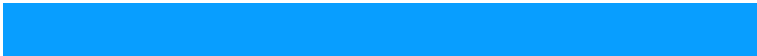
53, 0.007, 296.813

Same Dimension

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



68, 49.373, 262.581



63, 57.384, 270.752



42, 105.606, 300.814



51, 4.141, 244.003



47, 46.752, 271.306



14, 19.626, 264.087

Inverse Universe

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



58, 83.859, 347.687



56, 87.377, 351.938



91, 82.759, 96.344



50, 6.877, 338.925



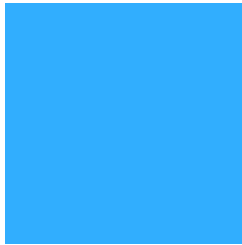
42, 70.626, 352.259



11, 33.286, 348.365

Previews

White Background



This preview shows how the CIE LCh color 68, 49.374, 262.580 looks on a white background.

Color Contrast Check

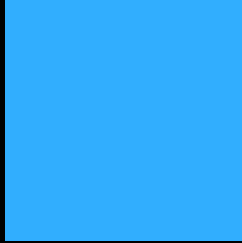
Large Text (above 18pt) WCAG AA × Fail

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, 49.374, 262.580 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

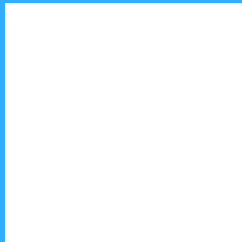
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 49.374, 262.580

Background



This preview shows how black text looks on a background with the CIELCh color 68, 49.374, 262.580.

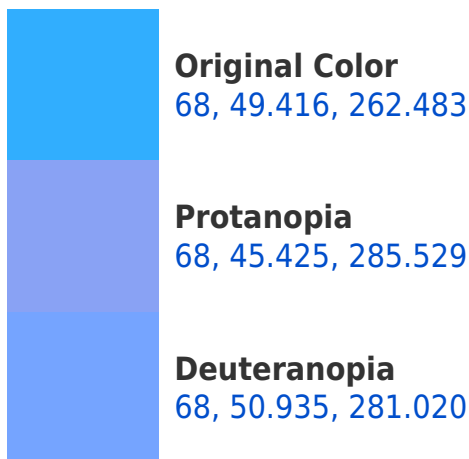


This preview shows how white text looks on a background with the CIELCh color 68, 49.374, 262.580.

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, 37.707, 208.609

Trichromacy



Original Color
68, 49.416, 262.483

Protanomaly
67, 46.985, 274.873

Deuteranomaly
68, 50.207, 273.145

Tritanomaly
68, 38.252, 230.853

Monochromacy



Original Color
68, 49.416, 262.483

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 21.259, 248.900

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 49.374, 262.580 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(49, 174, 254)` looks like.

```
.text, #text, p{  
    color:rgb(49, 174, 254)  
}
```

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(49, 174, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 174, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 49.374, 262.580 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(49, 174, 254) }
```

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

```
.border{ border-color:rgb(49, 174, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 174, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 174, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 174, 254);  
box-shadow:4px 4px 4px 4px rgb(49, 174,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 49.374, 262.580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 174, 254) }
```

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

```
.background{ background-color: rgb(49, 174,  
254) }
```

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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