

# Converting Colors

CIELCh(68, 48.330, 263.212)

Have a look what the booklet for  
CIELCh(68, 48.330, 263.212)  
contains.

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# Color

**CIELCh(68, 48.444, 263.460)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3CADFC
RGB	60, 173, 252
RGB Percent	24%, 68%, 99%
CMY	0.7634, 0.3208, 0.0110
CMYK	0.76, 0.31, 0.00, 0.01
HSL	205°, 97%, 61%
HSV	205°, 76%, 99%
XYZ	34.4663, 37.9720, 97.7794
YIQ	148.2190, -92.7070, 0.6130

# Conversions

## Conversions Part 2

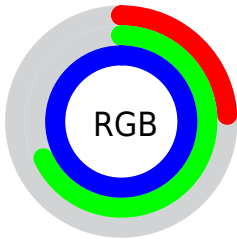
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	60, 131, 252
Decimal	3976700
CIE <sub>Lab</sub>	68.00, -5.52, -48.13
CIE <sub>LCh</sub>	68, 48.444, 263.460
Yxy	37.9720, 0.2025, 0.2231
Android (android.graphics.Color)	4282166780 (0xFF3CADFC)
YUV	148.2190, 51.1640, -77.3681
Hunter-Lab	61.6215, -7.9984, -50.9449

# Details

The CIELCh color **68, 48.444, 263.460** 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 **69, 69.575, 57.638**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 30.623, 225.640**, and **49, 46.344, 269.622** is the 20% darker color. If you saturate the color by 10%, you get **65, 53.591, 268.038**, and if you desaturate by 10%, it is **72, 43.119, 259.448**.

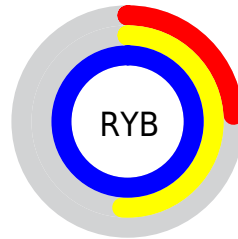
# Distribution



Red (24%)

Green (68%)

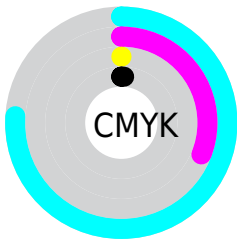
Blue (99%)



Red (24%)

Yellow (51%)

Blue (99%)

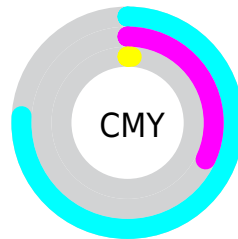


Cyan (76%)

Magenta (31%)

Yellow (0%)

Black (1%)



Cyan (76%)

Magenta (32%)

Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 48.444, 263.460 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, 48.444, 263.460 by changing the saturation by 10% instead.



 68, 48.444,  
263.460

 68, 48.444,  
263.460

 100, 48.444,  
263.460

 58, 48.444,  
263.460

 88, 48.444,  
263.460

 48, 48.444,  
263.460

 98, 48.444,  
263.460

 38, 48.444,  
263.460

 28, 48.444,  
263.460

 18, 48.444,  
263.460

 8, 48.444, 263.460

 0, 48.444, 263.460

68, 48.444,  
263.460

68, 48.444,  
263.460

65, 53.591,  
268.038

72, 43.119,  
259.448

61, 58.738,  
273.034

75, 37.499,  
256.034

60, 60.819,  
274.986

79, 31.526,  
253.188

83, 25.197,  
250.840

88, 18.541,  
248.916

92, 11.606,  
247.347

96, 4.446, 246.113

100, 1.405,  
110.018



# Harmonies

# Complementary

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



68, 48.444, 263.460



69, 69.575, 57.638

# Rectangle

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



68, 48.444, 263.460



68, 48.444, 313.460



68, 48.444, 83.460



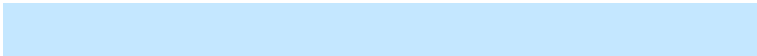
68, 48.444, 133.460

# Sweetspot

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



68, 48.443, 263.461



90, 16.582, 248.401



88, 82.144, 149.239



46, 11.410, 249.013



0, 0.000, 0.000



53, 0.007, 296.813



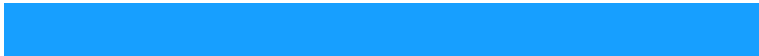


# Same Dimension

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



68, 48.443, 263.461



64, 56.611, 270.486



44, 100.945, 300.247



50, 4.109, 246.489



46, 48.182, 274.028



13, 19.662, 266.515



# Inverse Universe

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



59, 80.501, 348.127



56, 86.220, 351.805



91, 80.506, 97.828



49, 6.669, 339.882



41, 69.320, 353.975



10, 32.144, 349.581



# Previews

## White Background



This preview shows how the CIE LCh color 68, 48.444, 263.460 looks on a white background.

## Color Contrast Check

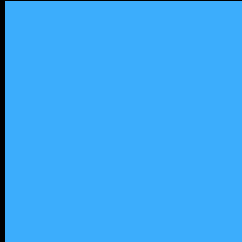
Large Text (above 18pt) WCAG AA × Fail

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, 48.444, 263.460 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

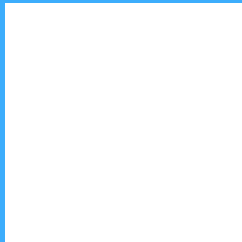
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 68, 48.444, 263.460

## Background



This preview shows how black text looks on a background with the CIELCh color 68, 48.444, 263.460.

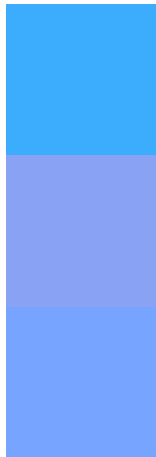


This preview shows how white text looks on a background with the CIELCh color 68, 48.444, 263.460.

# 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, 48.444, 263.460

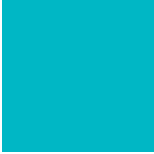
### Protanopia

68, 44.892, 285.343

### Deuteranopia

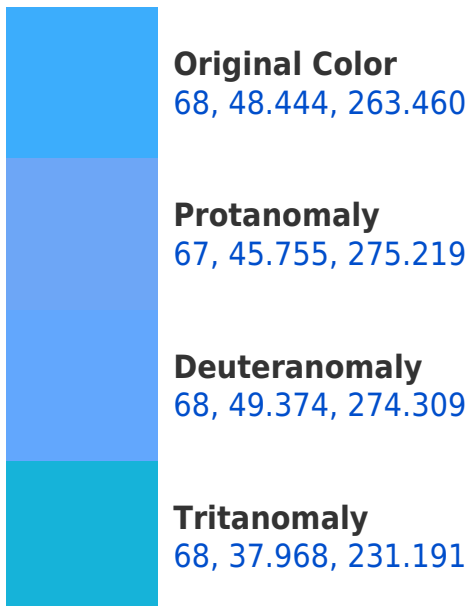
68, 50.330, 281.284



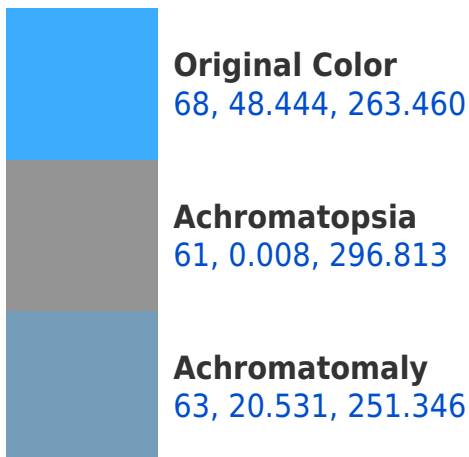


**Tritanopia**  
68, 37.707, 208.609

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 48.444, 263.460 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(60, 173, 252)` looks like.

```
.text, #text, p{  
    color:rgb(60, 173, 252)  
}
```

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(60, 173, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 173, 252) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 48.444, 263.460 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(60, 173, 252) }
```

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

```
.border{ border-color:rgb(60, 173, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 173, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 173, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 173, 252);  
box-shadow:4px 4px 4px 4px rgb(60, 173,  
252) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 48.444, 263.460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 173, 252) }
```

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

```
.background{ background-color: rgb(60, 173,  
252) }
```

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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