

Converting Colors

CIELCh(68, 38.721, 251.346)

Have a look what the booklet for
CIELCh(68, 38.721, 251.346)
contains.

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Color

CIELCh(68, 38.707, 251.673)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 48AFE7 |
| RGB | 72, 175, 231 |
| RGB Percent | 28%, 69%, 91% |
| CMY | 0.7159, 0.3124, 0.0927 |
| CMYK | 0.69, 0.24, 0.00, 0.09 |
| HSL | 201°, 77%, 60% |
| HSV | 201°, 69%, 91% |
| XYZ | 32.5726, 37.9720, 81.4726 |
| YIQ | 150.5870, -79.3640, -4.4200 |

Conversions

Conversions Part 2

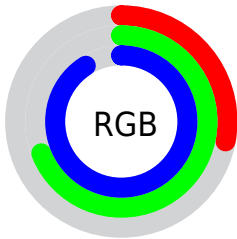
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 72, 135, 231 |
| Decimal | 4763623 |
| CIE _{Lab} | 68.00, -12.17, -36.74 |
| CIE _{LCh} | 68, 38.707, 251.673 |
| Yxy | 37.9720, 0.2143, 0.2498 |
| Android (android.graphics.Color) | 4282953703 (0xFF48AFE7) |
| YUV | 150.5870, 39.6436, -68.9208 |
| Hunter-Lab | 61.6215, -13.4839, -35.2550 |

Details

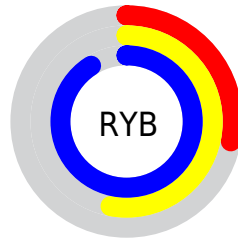
The CIELCh color **68, 38.707, 251.673** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **64, 58.650, 53.202**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 29.717, 224.228**, and **49, 36.691, 255.362** is the 20% darker color. If you saturate the color by 10%, you get **65, 42.668, 255.672**, and if you desaturate by 10%, it is **71, 34.316, 248.327**.

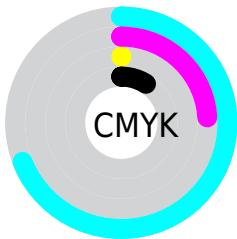
Distribution



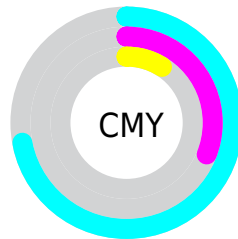
- Red (28%)
- Green (69%)
- Blue (91%)



- Red (28%)
- Yellow (53%)
- Blue (91%)



- Cyan (69%)
- Magenta (24%)
- Yellow (0%)
- Black (9%)





- Cyan (72%)
- Magenta (31%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 38.707, 251.673 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, 38.707, 251.673 by changing the saturation by 10% instead.


 68, 38.707,
251.673


 68, 38.707,
251.673


 100, 38.707,
251.673

 58, 38.707,
251.673


 88, 38.707,
251.673

 48, 38.707,
251.673

 98, 38.707,
251.673

 38, 38.707,
251.673

 28, 38.707,
251.673

 18, 38.707,
251.673

 8, 38.707, 251.673

 0, 38.707, 251.673

68, 38.707,
251.673

68, 38.707,
251.673

65, 42.668,
255.672

71, 34.316,
248.327

62, 46.322,
260.307

74, 29.449,
245.580

60, 49.871,
265.408

78, 24.112,
243.353

59, 50.355,
266.066

81, 18.348,
241.559

85, 12.217,
240.123

89, 5.786, 239.001

92, 0.884, 57.362

96, 7.018, 61.713

Harmonies

Complementary

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



68, 38.707, 251.673



64, 58.650, 53.202

Rectangle

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



68, 38.707, 251.673



68, 38.707, 301.673



68, 38.707, 71.673



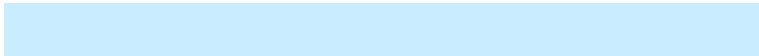
68, 38.707, 121.673

Sweetspot

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



68, 38.706, 251.673



92, 14.785, 240.442



82, 73.910, 148.603



48, 9.947, 240.830



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, 38.706, 251.673



70, 47.434, 257.341



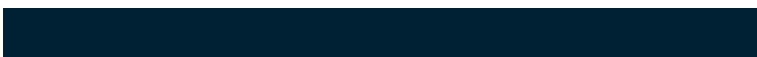
46, 79.216, 296.180



46, 3.754, 239.075



46, 41.008, 265.114



11, 15.661, 255.647

Inverse Universe

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



57, 73.205, 343.101



59, 86.621, 345.371



83, 67.310, 95.436



45, 6.484, 337.138



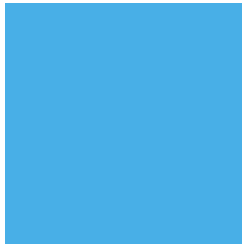
39, 68.496, 348.869



7, 29.602, 344.719

Previews

White Background



This preview shows how the CIELCh color 68, 38.707, 251.673 looks on a white background.

Color Contrast Check

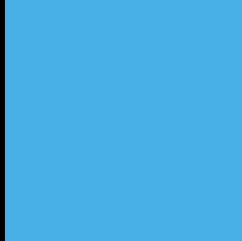
Large Text (above 18pt) WCAG AA × Fail

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, 38.707, 251.673 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

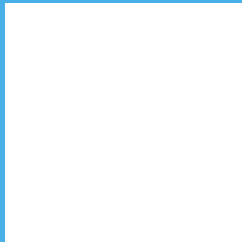
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 38.707, 251.673

Background



This preview shows how black text looks on a background with the CIELCh color 68, 38.707, 251.673.

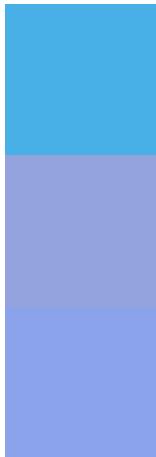


This preview shows how white text looks on a background with the CIELCh color 68, 38.707, 251.673.

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, 38.707, 251.673

Protanopia
68, 32.161, 284.899

Deuteranopia
68, 39.477, 283.624



Tritanopia
68, 34.427, 209.994

Trichromacy



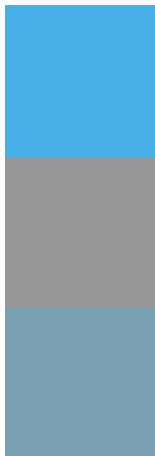
Original Color
68, 38.707, 251.673

Protanomaly
67, 34.072, 269.973

Deuteranomaly
67, 38.465, 271.372

Tritanomaly
68, 34.031, 225.617

Monochromacy



Original Color
68, 38.707, 251.673

Achromatopsia
62, 0.008, 296.813

Achromatomaly
64, 16.632, 241.006

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 38.707, 251.673 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(72, 175, 231)` looks like.

```
.text, #text, p{  
    color:rgb(72, 175, 231)  
}
```

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(72, 175, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 175, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 38.707, 251.673 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(72, 175, 231) }
```

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

```
.border{ border-color:rgb(72, 175, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 175, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 175, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 175, 231);  
box-shadow:4px 4px 4px 4px rgb(72, 175,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 38.707, 251.673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 175, 231) }
```

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

```
.background{ background-color: rgb(72, 175,  
231) }
```

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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