

Converting Colors

CIELCh(68, 38.234, 255.652)

Have a look what the booklet for
CIELCh(68, 38.234, 255.652)
contains.

CIELCh(68, 38.237, 255.742)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(68, 38.237, 255.742)

Conversions

Conversions Part 1

Format	Color
Hex	54AEE8
RGB	84, 174, 232
RGB Percent	33%, 68%, 91%
CMY	0.6707, 0.3177, 0.0903
CMYK	0.64, 0.25, 0.00, 0.09
HSL	204°, 76%, 62%
HSV	204°, 64%, 91%
XYZ	33.3477, 37.9720, 81.8980
YIQ	153.7020, -72.2580, -1.0420

Conversions

Conversions Part 2

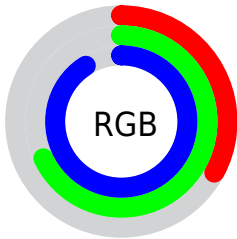
Format	Color
R _Y B	84, 140, 232
Decimal	5549800
CIE Lab	68.00, -9.42, -37.06
CIE LCh	68, 38.237, 255.742
Yxy	37.9720, 0.2176, 0.2478
Android (android.graphics.Color)	4283739880 (0xFF54AEE8)
YUV	153.7020, 38.6009, -61.1287
Hunter-Lab	61.6215, -11.2386, -35.6644

Details

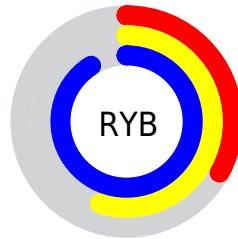
The CIELCh color **68, 38.237, 255.742** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **67, 53.326, 57.069**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 27.760, 227.641**, and **48, 37.422, 257.181** is the 20% darker color. If you saturate the color by 10%, you get **65, 42.968, 259.550**, and if you desaturate by 10%, it is **71, 33.155, 252.543**.

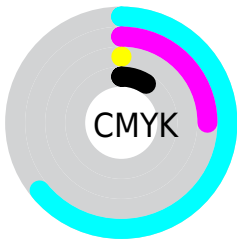
Distribution



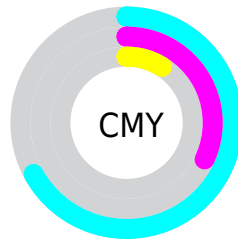
- Red (33%)
- Green (68%)
- Blue (91%)



- Red (33%)
- Yellow (55%)
- Blue (91%)



- Cyan (64%)
- Magenta (25%)
- Yellow (0%)
- Black (9%)




- Cyan (67%)
- Magenta (32%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 38.237, 255.742 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, 38.237, 255.742 by changing the saturation by 10% instead.

 68, 38.237,
255.742

 68, 38.237,
255.742

 100, 38.237,
255.742


 58, 38.237,
255.742


 88, 38.237,
255.742

 48, 38.237,
255.742

 98, 38.237,
255.742

 38, 38.237,
255.742

 28, 38.237,
255.742

 18, 38.237,
255.742

 8, 38.237, 255.742

 0, 38.237, 255.742

68, 38.237,
255.742

68, 38.237,
255.742

65, 42.968,
259.550

71, 33.155,
252.543

62, 47.443,
263.963

75, 27.691,
249.899

59, 51.815,
268.884

79, 21.856,
247.734

57, 54.585,
272.013

83, 15.692,
245.971

86, 9.250, 244.544

90, 2.585, 243.497

94, 4.251, 62.205

97, 8.057, 87.735

99, 11.653,

Harmonies

Complementary

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



68, 38.237, 255.742



67, 53.326, 57.069

Rectangle

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



68, 38.237, 255.742



68, 38.237, 305.742



68, 38.237, 75.742



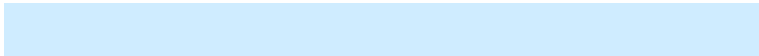
68, 38.237, 125.742

Sweetspot

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



68, 38.236, 255.742



92, 13.638, 245.261



83, 67.785, 150.784



48, 9.340, 245.687



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, 38.236, 255.742



69, 47.911, 261.072



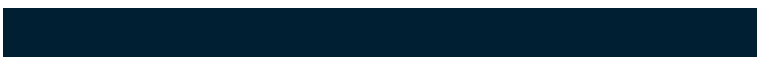
48, 76.225, 296.296



46, 3.799, 244.024



44, 44.268, 271.072



11, 16.559, 261.619

Inverse Universe

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



59, 68.104, 344.665



59, 82.541, 346.994



85, 65.109, 98.045



45, 6.306, 338.929



39, 67.145, 352.118



7, 28.975, 347.245

Previews

White Background



This preview shows how the CIELCh color 68, 38.237, 255.742 looks on a white background.

Color Contrast Check

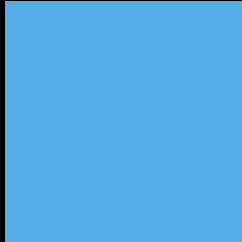
Large Text (above 18pt) WCAG AA × Fail

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, 38.237, 255.742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

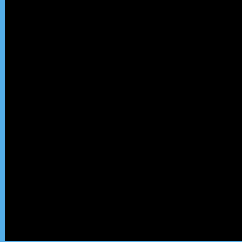
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

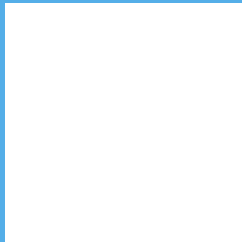
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 38.237, 255.742

Background



This preview shows how black text looks on a background with the CIELCh color 68, 38.237, 255.742.

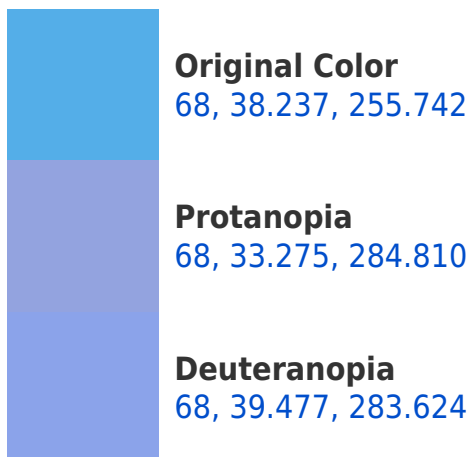


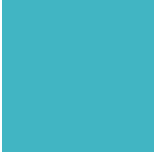
This preview shows how white text looks on a background with the CIELCh color 68, 38.237, 255.742.

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, 32.260, 211.044

Trichromacy



Original Color
68, 38.237, 255.742

Protanomaly
68, 34.305, 271.676

Deuteranomaly
68, 38.160, 272.756

Tritanomaly
68, 32.067, 228.890

Monochromacy



Original Color
68, 38.237, 255.742

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 15.663, 247.350

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 38.237, 255.742 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(84, 174, 232)` looks like.

```
.text, #text, p{  
    color:rgb(84, 174, 232)  
}
```

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(84, 174, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 174, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 38.237, 255.742 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(84, 174, 232) }
```

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

```
.border{ border-color:rgb(84, 174, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 174, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 174, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 174, 232);  
box-shadow:4px 4px 4px 4px rgb(84, 174,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 38.237, 255.742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 174, 232) }
```

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

```
.background{ background-color: rgb(84, 174,  
232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor