

Converting Colors

CIELCh(68, 37.688, 297.889)

Have a look what the booklet for
CIELCh(68, 37.688, 297.889)
contains.

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Color

CIELCh(68, 37.670, 297.762)

Conversions

Conversions Part 1

Format	Color
Hex	A69EE2
RGB	166, 158, 226
RGB Percent	65%, 62%, 89%
CMY	0.3496, 0.3810, 0.1144
CMYK	0.27, 0.30, 0.00, 0.11
HSL	247°, 54%, 75%
HSV	247°, 30%, 89%
XYZ	41.5969, 37.9720, 76.9681
YIQ	168.1440, -17.0600, 22.8440

Conversions

Conversions Part 2

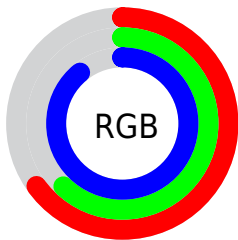
Format	Color
RYB	166, 158, 226
Decimal	10919650
CIELab	68.00, 17.55, -33.33
CIELCh	68, 37.670, 297.762
Yxy	37.9720, 0.2657, 0.2426
Android (android.graphics.Color)	4289109730 (0xFFA69EE2)
YUV	168.1440, 28.5230, -1.8803
Hunter-Lab	61.6215, 12.6569, -30.9210

Details

The CIELCh color $68, 37.670, 297.762$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $88, 35.067, 112.405$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $87, 22.284, 299.761$, and $48, 37.240, 297.368$ is the 20% darker color. If you saturate the color by 10%, you get $61, 51.205, 299.069$, and if you desaturate by 10%, it is $75, 24.650, 296.624$.

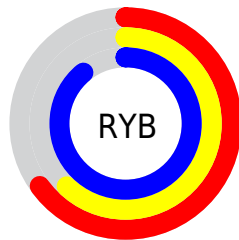
Distribution



Red (65%)

Green (62%)

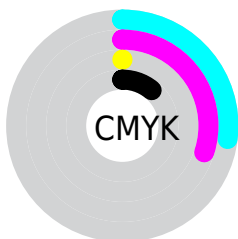
Blue (89%)



Red (65%)

Yellow (62%)

Blue (89%)

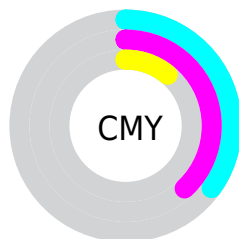


Cyan (27%)

Magenta (30%)

Yellow (0%)

Black (11%)



Cyan (35%)

Magenta (38%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 37.670, 297.762 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, 37.670, 297.762 by changing the saturation by 10% instead.

■ 68, 37.670,
297.762

■ 68, 37.670,
297.762

■ 100, 37.670,
297.762

■ 58, 37.670,
297.762

■ 88, 37.670,
297.762

■ 48, 37.670,
297.762

■ 98, 37.670,
297.762

■ 38, 37.670,
297.762

■ 28, 37.670,
297.762

■ 18, 37.670,
297.762

■ 8, 37.670, 297.762

■ 0, 37.670, 297.762

68, 37.670,
297.762

68, 37.670,
297.762

61, 51.205,
299.069

75, 24.650,
296.624

54, 65.200,
300.541

83, 12.146,
295.644

47, 79.450,
302.137

90, 0.134, 294.964

40, 93.439,
303.753

97, 11.420,
114.083

35, 106.112,
305.197

99, 14.757,
109.062

31, 115.798,
306.199

29, 121.374,
306.645

Harmonies

Complementary

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



68, 37.670, 297.762



88, 35.067, 112.405

Rectangle

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



68, 37.670, 297.762



68, 37.670, 347.762



68, 37.670, 117.762



68, 37.670, 167.762

Sweetspot

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



68, 37.669, 297.762



93, 11.915, 295.551



83, 19.888, 210.368



48, 8.303, 295.683



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, 37.669, 297.762



71, 50.333, 298.544



71, 39.888, 314.358



43, 6.782, 295.585



21, 100.605, 306.717



2, 31.828, 298.675

Inverse Universe

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



73, 40.221, 329.596



79, 52.864, 329.968



85, 38.685, 131.653



44, 7.521, 328.339



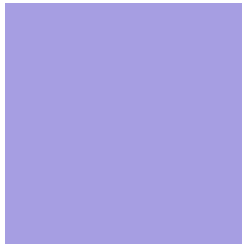
41, 79.813, 333.523



7, 33.188, 332.552

Previews

White Background



This preview shows how the CIELCh color 68, 37.670, 297.762 looks on a white background.

Color Contrast Check

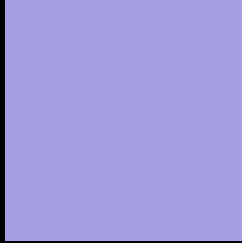
Large Text (above 18pt) WCAG AA × Fail

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, 37.670, 297.762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

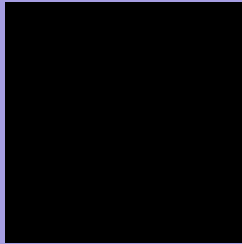
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 37.670, 297.762

Background



This preview shows how black text looks on a background with the CIELCh color 68, 37.670, 297.762.



This preview shows how white text looks on a background with the CIELCh color 68, 37.670, 297.762.

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, 7.941, 263.905

Trichromacy



Original Color
68, 37.670, 297.762

Protanomaly
68, 36.946, 289.961

Deuteranomaly
68, 35.297, 290.094

Tritanomaly
68, 18.212, 287.659

Monochromacy



Original Color
68, 37.670, 297.762

Achromatopsia
69, 0.009, 296.813

Achromatomaly
68, 13.840, 296.009

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 37.670, 297.762 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(166, 158, 226)` looks like.

```
.text, #text, p{  
    color:rgb(166, 158, 226)  
}
```

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(166, 158, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 158, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 37.670, 297.762 is called "border". The border property can be set on classes, ids or directly on the HTML element.

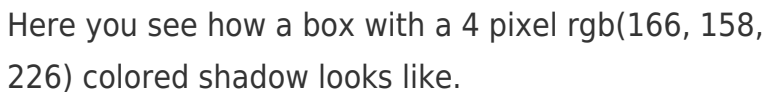
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 158, 226) }
```

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

```
.border{ border-color:rgb(166, 158, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 158, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 158, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 158, 226); box-shadow:4px 4px 4px 4px rgb(166, 158, 226) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 37.670, 297.762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 158, 226) }
```

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

```
.background{ background-color: rgb(166,  
158, 226) }
```

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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