

Converting Colors

CIELCh(68, 50.040, 313.942)

Have a look what the booklet for
CIELCh(68, 50.040, 313.942)
contains.

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Color

CIELCh(68, 49.650, 313.755)

Conversions

Conversions Part 1

Format	Color
Hex	C492E7
RGB	196, 146, 231
RGB Percent	77%, 57%, 91%
CMY	0.2321, 0.4281, 0.0949
CMYK	0.15, 0.37, 0.00, 0.09
HSL	275°, 64%, 74%
HSV	275°, 37%, 91%
XYZ	47.3640, 37.9720, 80.2920
YIQ	170.6400, 2.5150, 37.0350

Conversions

Conversions Part 2

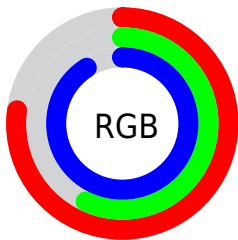
Format	Color
RYB	196, 146, 231
Decimal	12882663
CIELab	68.00, 34.34, -35.86
CIELCh	68, 49.650, 313.755
Yxy	37.9720, 0.2860, 0.2293
Android (android.graphics.Color)	4291072743 (0xFFC492E7)
YUV	170.6400, 29.7575, 22.2407
Hunter-Lab	61.6215, 29.3625, -34.1191

Details

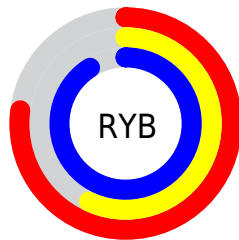
The CIELCh color $68, 49.650, 313.755$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $86, 47.631, 130.376$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $87, 33.687, 325.083$, and $48, 49.304, 313.710$ is the 20% darker color. If you saturate the color by 10%, you get $62, 63.355, 314.210$, and if you desaturate by 10%, it is $74, 35.874, 313.280$.

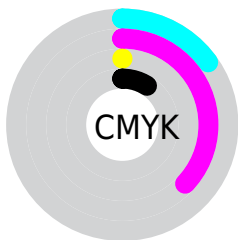
Distribution



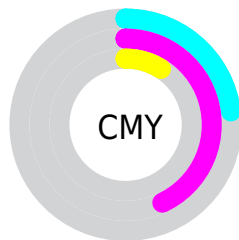
- Red (77%)
- Green (57%)
- Blue (91%)



- Red (77%)
- Yellow (57%)
- Blue (91%)



- Cyan (15%)
- Magenta (37%)
- Yellow (0%)
- Black (9%)





- Cyan (23%)
- Magenta (43%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 49.650, 313.755 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, 49.650, 313.755 by changing the saturation by 10% instead.


 68, 49.650,
313.755


 68, 49.650,
313.755


 100, 49.650,
313.755


 58, 49.650,
313.755


 88, 49.650,
313.755

 48, 49.650,
313.755

 98, 49.650,
313.755

 38, 49.650,
313.755

 28, 49.650,
313.755

 18, 49.650,
313.755

 8, 49.650, 313.755

 0, 49.650, 313.755

68, 49.650,
313.755

68, 49.650,
313.755

62, 63.355,
314.210

74, 35.874,
313.280

56, 76.637,
314.605

81, 22.254,
312.811

51, 88.950,
314.880

87, 8.913, 312.356

46, 99.552,
314.956

94, 4.083, 132.003

43, 107.608,
314.739

99, 12.999,
128.023

40, 112.516,
314.153

99, 12.277,
112.896

40, 113.699,
313.931

99, 12.244,
109.252

Harmonies

Complementary

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



68, 49.650, 313.755



86, 47.631, 130.376

Rectangle

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



68, 49.650, 313.755



68, 49.650, 3.755



68, 49.650, 133.755



68, 49.650, 183.755

Sweetspot

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



68, 49.648, 313.755



92, 15.669, 312.548



73, 28.622, 270.138



48, 10.546, 312.610



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, 49.648, 313.755



70, 64.529, 314.096



71, 51.012, 328.894



45, 7.413, 312.476



30, 93.674, 314.116



5, 36.157, 314.179

Inverse Universe

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



70, 37.026, 352.691



73, 47.932, 353.808



85, 51.049, 143.953



45, 5.531, 349.498



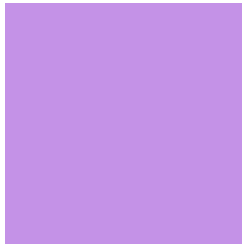
38, 64.761, 10.383



7, 26.966, 1.475

Previews

White Background



This preview shows how the CIELCh color 68, 49.650, 313.755 looks on a white background.

Color Contrast Check

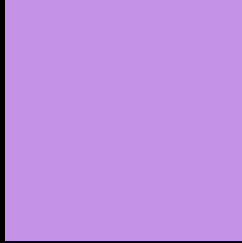
Large Text (above 18pt) WCAG AA × Fail

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, 49.650, 313.755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

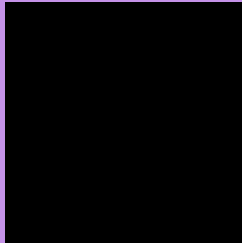
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 49.650, 313.755

Background



This preview shows how black text looks on a background with the CIELCh color 68, 49.650, 313.755.

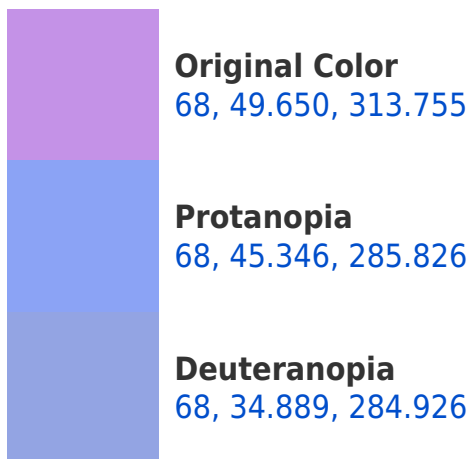


This preview shows how white text looks on a background with the CIELCh color 68, 49.650, 313.755.

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, 12.861, 346.917

Trichromacy



Original Color
68, 49.650, 313.755



Protanomaly
68, 45.805, 295.774



Deuteranomaly
68, 39.345, 297.731

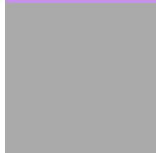


Tritanomaly
68, 25.209, 323.351

Monochromacy



Original Color
68, 49.650, 313.755



Achromatopsia
70, 0.009, 296.813



Achromatomaly
69, 18.346, 312.520

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 49.650, 313.755 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(196, 146, 231)` looks like.

```
.text, #text, p{  
    color:rgb(196, 146, 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(196, 146, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 146, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 49.650, 313.755 is called "border". The border property can be set on classes, ids or directly on the HTML element.

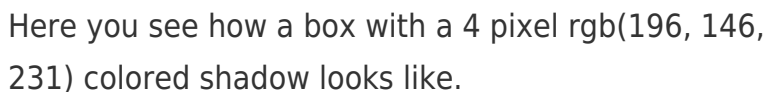
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 146, 231) }
```

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

```
.border{ border-color:rgb(196, 146, 231) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 146, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 146, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 146, 231); box-shadow:4px 4px 4px 4px rgb(196, 146, 231) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 49.650, 313.755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 146, 231) }
```

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

```
.background{ background-color: rgb(196,  
146, 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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