

Converting Colors

CIELCh(68, 66.718, 306.287)

Have a look what the booklet for
CIELCh(68, 66.718, 306.287)
contains.

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Color

CIELCh(68, 62.421, 306.911)

Conversions

Conversions Part 1

Format	Color
Hex	B991FF
RGB	185, 145, 255
RGB Percent	73%, 57%, 100%
CMY	0.2733, 0.4305, 0.0000
CMYK	0.27, 0.43, 0.00, 0.00
HSL	262°, 100%, 78%
HSV	262°, 43%, 100%
XYZ	48.5027, 37.9720, 100.5122
YIQ	169.5000, -11.4700, 42.6900

Conversions

Conversions Part 2

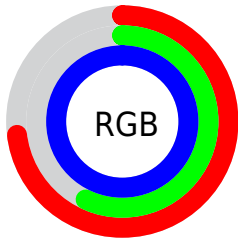
Format	Color
RYB	185, 145, 255
Decimal	12161535
CIELab	68.00, 37.49, -49.91
CIElCh	68, 62.421, 306.911
Yxy	37.9720, 0.2594, 0.2031
Android (android.graphics.Color)	4290351615 (0xFFB991FF)
YUV	169.5000, 42.1515, 13.5935
Hunter-Lab	61.6215, 32.6611, -53.5743

Details

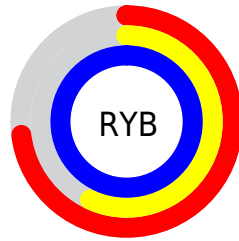
The CIELCh color **68, 62.421, 306.911** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **95, 56.743, 121.950**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 33.146, 319.353**, and **48, 61.810, 306.864** is the 20% darker color. If you saturate the color by 10%, you get **61, 76.819, 307.798**, and if you desaturate by 10%, it is **75, 46.748, 306.273**.

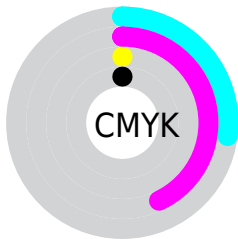
Distribution



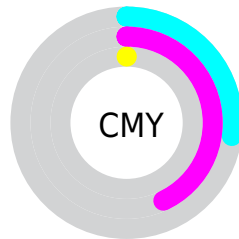
- Red (73%)
- Green (57%)
- Blue (100%)



- Red (73%)
- Yellow (57%)
- Blue (100%)



- Cyan (27%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (27%)
- Magenta (43%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 62.421, 306.911 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, 62.421, 306.911 by changing the saturation by 10% instead.


 68, 62.421,
306.911


 68, 62.421,
306.911


 100, 62.421,
306.911


 58, 62.421,
306.911


 88, 62.421,
306.911

 48, 62.421,
306.911

 98, 62.421,
306.911

 38, 62.421,
306.911

 28, 62.421,
306.911

 18, 62.421,
306.911

 8, 62.421, 306.911

 0, 62.421, 306.911

68, 62.421,
306.911

68, 62.421,
306.911

61, 76.819,
307.798

75, 46.748,
306.273

54, 91.611,
308.537

83, 32.099,
305.575

48, 105.367,
309.147

90, 17.878,
304.941

43, 116.972,
309.485

98, 4.120, 304.364

39, 125.113,
309.389

100, 0.012,
296.813

37, 128.630,
309.075

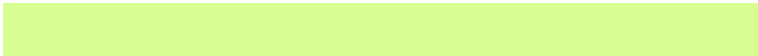
Harmonies

Complementary

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



68, 62.421, 306.911



95, 56.743, 121.950

Rectangle

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



68, 62.421, 306.911



68, 62.421, 356.911



68, 62.421, 126.911



68, 62.421, 176.911

Sweetspot

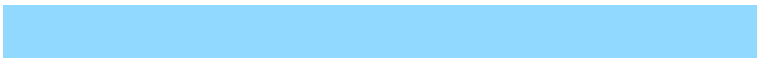
The Sweet Spot groups the original color and five complimentary colors.



68, 61.726, 307.024



90, 17.801, 304.938



83, 28.616, 243.958



47, 12.502, 305.072



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, 61.726, 307.024



62, 75.232, 307.717



73, 65.796, 322.232



49, 7.740, 304.732



27, 103.385, 309.250



5, 44.857, 309.298

Inverse Universe

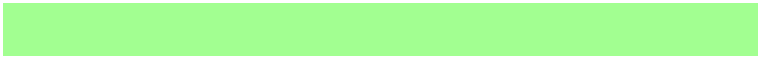
The Inverse Universe completely reimagines the original color for something new.



74, 53.135, 340.696



69, 63.158, 341.677



92, 65.021, 137.622



50, 7.007, 337.710



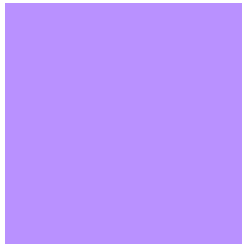
42, 71.550, 350.037



11, 33.741, 346.542

Previews

White Background



This preview shows how the CIELCh color 68, 62.421, 306.911 looks on a white background.

Color Contrast Check

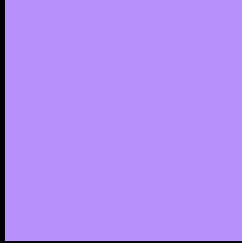
Large Text (above 18pt) WCAG AA × Fail

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, 62.421, 306.911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

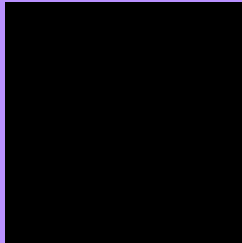
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 62.421, 306.911

Background



This preview shows how black text looks on a background with the CIELCh color 68, 62.421, 306.911.



This preview shows how white text looks on a background with the CIELCh color 68, 62.421, 306.911.

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, 61.844, 306.983

Protanopia

68, 50.893, 285.478

Deuteranopia

68, 47.984, 281.628



Tritanopia
68, 7.662, 310.698

Trichromacy



Original Color
68, 61.844, 306.983



Protanomaly
68, 53.936, 293.568



Deuteranomaly
68, 51.769, 291.733



Tritanomaly
68, 27.426, 306.634

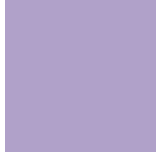
Monochromacy



Original Color
68, 61.844, 306.983



Achromatopsia
70, 0.009, 296.813



Achromatomaly
69, 22.744, 305.693

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 62.421, 306.911 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(185, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 145, 255)  
}
```

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(185, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 145, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 62.421, 306.911 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(185, 145, 255) }
```

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

```
.border{ border-color:rgb(185, 145, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 145, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 145, 255); box-shadow:4px 4px 4px 4px rgb(185, 145, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 62.421, 306.911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 145, 255) }
```

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

```
.background{ background-color: rgb(185,  
145, 255) }
```

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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