

Converting Colors

CIELCh(68, 52.022, 309.772)

Have a look what the booklet for
CIELCh(68, 52.022, 309.772)
contains.

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Color

CIELCh(68, 52.019, 309.751)

Conversions

Conversions Part 1

Format	Color
Hex	BD93EE
RGB	189, 147, 238
RGB Percent	74%, 58%, 93%
CMY	0.2579, 0.4227, 0.0657
CMYK	0.21, 0.38, 0.00, 0.07
HSL	268°, 73%, 76%
HSV	268°, 38%, 93%
XYZ	46.9804, 37.9720, 85.9264
YIQ	169.9320, -4.1790, 37.2050

Conversions

Conversions Part 2

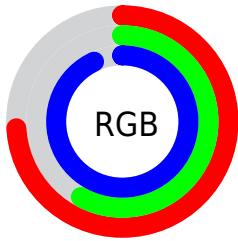
Format	Color
RYB	189, 147, 238
Decimal	12424174
CIELab	68.00, 33.26, -39.99
CIELCh	68, 52.019, 309.751
Yxy	37.9720, 0.2749, 0.2222
Android (android.graphics.Color)	4290614254 (0xFFBD93EE)
YUV	169.9320, 33.5575, 16.7226
Hunter-Lab	61.6215, 28.2514, -39.5404

Details

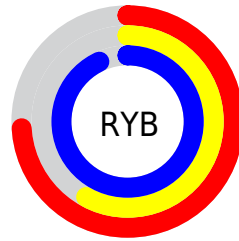
The CIELCh color `68, 52.019, 309.751` is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be `89, 48.970, 125.873`, and the grayscale version is `70, 0.009, 296.813`.

A 20% lighter version of the original color is `86, 32.341, 320.766`, and `48, 51.980, 309.631` is the 20% darker color. If you saturate the color by 10%, you get `61, 66.173, 310.347`, and if you desaturate by 10%, it is `75, 37.951, 309.162`.

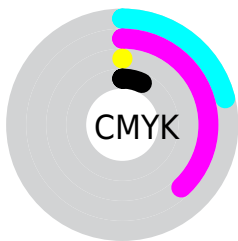
Distribution



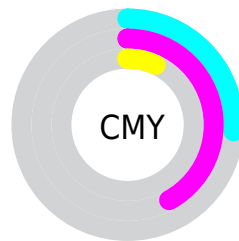
- Red (74%)
- Green (58%)
- Blue (93%)



- Red (74%)
- Yellow (58%)
- Blue (93%)



- Cyan (21%)
- Magenta (38%)
- Yellow (0%)
- Black (7%)





- Cyan (26%)
- Magenta (42%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 52.019, 309.751 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, 52.019, 309.751 by changing the saturation by 10% instead.


 68, 52.019,
309.751


 68, 52.019,
309.751


 100, 52.019,
309.751


 58, 52.019,
309.751


 88, 52.019,
309.751

 48, 52.019,
309.751

 98, 52.019,
309.751

 38, 52.019,
309.751

 28, 52.019,
309.751

 18, 52.019,
309.751

 8, 52.019, 309.751

 0, 52.019, 309.751

68, 52.019,
309.751

68, 52.019,
309.751

61, 66.173,
310.347

75, 37.951,
309.162

55, 80.087,
310.905

82, 24.157,
308.604

49, 93.204,
311.357

89, 10.727,
308.087

44, 104.690,
311.600

95, 2.299, 127.690

40, 113.508,
311.506

99, 8.511, 113.457

100, 8.484,
109.533

37, 118.921,
310.985

37, 119.724,
310.880

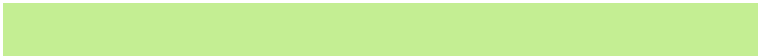
Harmonies

Complementary

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



68, 52.019, 309.751



89, 48.970, 125.873

Rectangle

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



68, 52.019, 309.751



68, 52.019, 359.751



68, 52.019, 129.751



68, 52.019, 179.751

Sweetspot

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



68, 52.017, 309.751



92, 15.263, 308.230



78, 26.239, 256.103



48, 10.276, 308.300



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, 52.017, 309.751



67, 66.642, 310.227



73, 56.679, 325.031



46, 7.481, 308.151



28, 98.299, 311.064



5, 39.479, 310.849

Inverse Universe

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



72, 42.221, 345.240



72, 53.348, 346.233



87, 56.560, 140.435



47, 6.226, 342.364



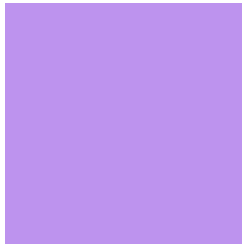
40, 66.779, 358.382



8, 29.844, 352.665

Previews

White Background



This preview shows how the CIELCh color 68, 52.019, 309.751 looks on a white background.

Color Contrast Check

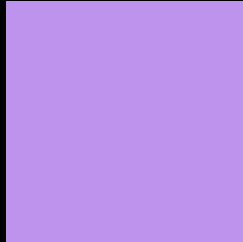
Large Text (above 18pt) WCAG AA × Fail

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, 52.019, 309.751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

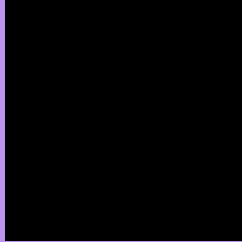
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 52.019, 309.751

Background



This preview shows how black text looks on a background with the CIELCh color 68, 52.019, 309.751.




This preview shows how white text looks on a background with the CIELCh color 68, 52.019, 309.751.

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, 9.245, 334.656

Trichromacy



Original Color
68, 52.019, 309.751

Protanomaly
68, 49.050, 294.256

Deuteranomaly
68, 43.028, 294.795

Tritanomaly
68, 24.557, 314.492

Monochromacy



Original Color
68, 52.019, 309.751

Achromatopsia
70, 0.009, 296.813

Achromatomaly
69, 19.021, 308.282

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 52.019, 309.751 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(189, 147, 238)` looks like.

```
.text, #text, p{  
    color:rgb(189, 147, 238)  
}
```

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(189, 147, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 147, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 52.019, 309.751 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(189, 147, 238) }
```

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

```
.border{ border-color:rgb(189, 147, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 147, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 147, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 147, 238);  
box-shadow:4px 4px 4px 4px rgb(189, 147,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 52.019, 309.751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 147, 238) }
```

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

```
.background{ background-color: rgb(189,  
147, 238) }
```

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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