

Converting Colors

CIELCh(68, 50.394, 307.128)

Have a look what the booklet for
CIELCh(68, 50.394, 307.128)
contains.

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Color

CIELCh(68, 50.917, 307.010)

Conversions

Conversions Part 1

Format	Color
Hex	B795EF
RGB	183, 149, 239
RGB Percent	72%, 58%, 94%
CMY	0.2809, 0.4143, 0.0613
CMYK	0.23, 0.38, 0.00, 0.06
HSL	263°, 74%, 76%
HSV	263°, 38%, 94%
XYZ	46.0546, 37.9720, 86.8572
YIQ	169.4260, -8.6260, 35.1980

Conversions

Conversions Part 2

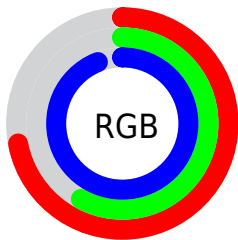
Format	Color
R_{YB}	183, 149, 239
Decimal	12031471
CIE _{Lab}	68.00, 30.65, -40.66
CIE _{LCh}	68, 50.917, 307.010
Yxy	37.9720, 0.2695, 0.2222
Android (android.graphics.Color)	4290221551 (0xFFB795EF)
YUV	169.4260, 34.3000, 11.9044
Hunter-Lab	61.6215, 25.5697, -40.4360

Details

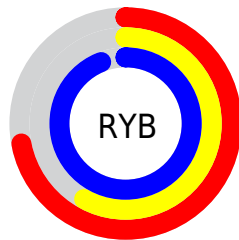
The CIELCh color $68, 50.917, 307.010$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $90, 47.476, 122.726$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $86, 30.193, 316.970$, and $48, 50.968, 306.840$ is the 20% darker color. If you saturate the color by 10%, you get $61, 65.214, 307.749$, and if you desaturate by 10%, it is $75, 36.839, 306.308$.

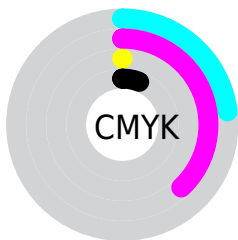
Distribution



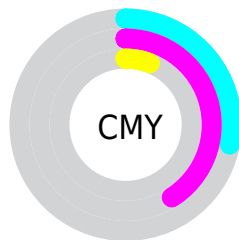
- Red (72%)
- Green (58%)
- Blue (94%)



- Red (72%)
- Yellow (58%)
- Blue (94%)



- Cyan (23%)
- Magenta (38%)
- Yellow (0%)
- Black (6%)





- Cyan (28%)
- Magenta (41%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 50.917, 307.010 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, 50.917, 307.010 by changing the saturation by 10% instead.


 68, 50.917,
307.010


 68, 50.917,
307.010


 100, 50.917,
307.010


 58, 50.917,
307.010


 88, 50.917,
307.010


 48, 50.917,
307.010

 98, 50.917,
307.010

 38, 50.917,
307.010

 28, 50.917,
307.010

 18, 50.917,
307.010

 8, 50.917, 307.010

 0, 50.917, 307.010

68, 50.917,
307.010

68, 50.917,
307.010

61, 65.214,
307.749

75, 36.839,
306.308

55, 79.455,
308.484

82, 23.124,
305.664

48, 93.124,
309.144

89, 9.832, 305.080

43, 105.376,
309.616

96, 3.023, 124.606

100, 7.907,
109.576

39, 115.049,
309.750

36, 121.112,
309.416

35, 122.265,
309.315

Harmonies

Complementary

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



68, 50.917, 307.010



90, 47.476, 122.726

Rectangle

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



68, 50.917, 307.010



68, 50.917, 357.010



68, 50.917, 127.010



68, 50.917, 177.010

Sweetspot

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



68, 50.915, 307.010



92, 15.043, 305.274



80, 24.349, 245.107



48, 10.130, 305.352



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, 50.915, 307.010



67, 64.718, 307.565



72, 55.014, 322.510



46, 7.371, 305.185



26, 100.008, 309.488



4, 39.119, 308.261

Inverse Universe

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



73, 43.973, 340.760



73, 54.947, 341.545



88, 54.491, 138.467



47, 6.601, 338.282



40, 69.000, 351.003



9, 30.999, 346.788

Previews

White Background



This preview shows how the CIELCh color 68, 50.917, 307.010 looks on a white background.

Color Contrast Check

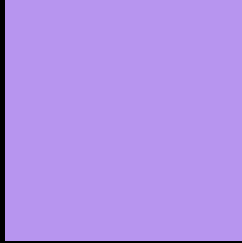
Large Text (above 18pt) WCAG AA × Fail

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, 50.917, 307.010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

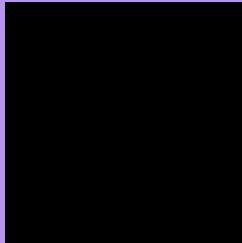
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 50.917, 307.010

Background



This preview shows how black text looks on a background with the CIELCh color 68, 50.917, 307.010.



This preview shows how white text looks on a background with the CIELCh color 68, 50.917, 307.010.

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, 7.457, 317.558

Trichromacy



Original Color
68, 50.917, 307.010

Protanomaly
68, 49.009, 293.225

Deuteranomaly
68, 42.983, 292.770

Tritanomaly
68, 23.083, 308.303

Monochromacy



Original Color
68, 50.917, 307.010

Achromatopsia
70, 0.009, 296.813

Achromatomaly
69, 18.833, 306.173

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 50.917, 307.010 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(183, 149, 239)` looks like.

```
.text, #text, p{  
    color:rgb(183, 149, 239)  
}
```

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(183, 149, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 149, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 50.917, 307.010 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(183, 149, 239) }
```

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

```
.border{ border-color:rgb(183, 149, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 149, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 149, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 149, 239);  
box-shadow:4px 4px 4px 4px rgb(183, 149,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 50.917, 307.010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 149, 239) }
```

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

```
.background{ background-color: rgb(183,  
149, 239) }
```

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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