

Converting Colors

CIELCh(68, 49.765, 306.871)

Have a look what the booklet for
CIELCh(68, 49.765, 306.871)
contains.

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Color

CIELCh(68, 49.765, 306.871)

Conversions

Conversions Part 1

Format	Color
Hex	B796EE
RGB	183, 150, 238
RGB Percent	72%, 59%, 93%
CMY	0.2830, 0.4124, 0.0673
CMYK	0.23, 0.37, 0.00, 0.07
HSL	262°, 72%, 76%
HSV	262°, 37%, 93%
XYZ	45.7773, 37.9720, 85.6723
YIQ	169.8990, -8.5800, 34.3640

Conversions

Conversions Part 2

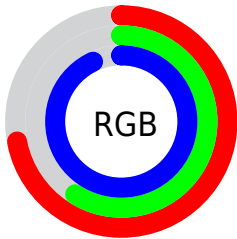
Format	Color
R _Y B	183, 150, 238
Decimal	12031726
CIE Lab	68.00, 29.86, -39.81
CIE LCh	68, 49.765, 306.871
Yxy	37.9720, 0.2702, 0.2241
Android (android.graphics.Color)	4290221806 (0xFFB796EE)
YUV	169.8990, 33.5738, 11.4896
Hunter-Lab	61.6215, 24.7663, -39.2959

Details

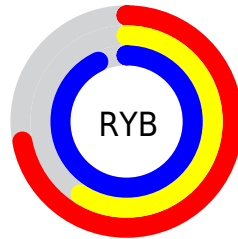
The CIELCh color $68, 49.765, 306.871$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $90, 46.448, 122.645$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $86, 29.563, 316.773$, and $48, 49.758, 306.663$ is the 20% darker color. If you saturate the color by 10%, you get $61, 63.982, 307.613$, and if you desaturate by 10%, it is $75, 35.782, 306.168$.

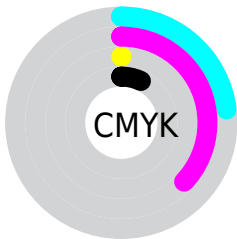
Distribution



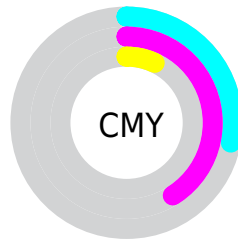
- Red (72%)
- Green (59%)
- Blue (93%)



- Red (72%)
- Yellow (59%)
- Blue (93%)



- Cyan (23%)
- Magenta (37%)
- Yellow (0%)
- Black (7%)



- Cyan (28%)
- Magenta (41%)
- Yellow (7%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 49.765, 306.871 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, 49.765, 306.871 by changing the saturation by 10% instead.

 68, 49.765,
306.871


 68, 49.765,
306.871

 100, 49.765,
306.871


 58, 49.765,
306.871


 88, 49.765,
306.871

 48, 49.765,
306.871

 98, 49.765,
306.871

 38, 49.765,
306.871

 28, 49.765,
306.871

 18, 49.765,
306.871

 8, 49.765, 306.871

 0, 49.765, 306.871

68, 49.765,
306.871

68, 49.765,
306.871

61, 63.982,
307.613

75, 35.782,
306.168

55, 78.172,
308.357

82, 22.168,
305.524

48, 91.841,
309.032

89, 8.977, 304.942

43, 104.170,
309.529

96, 3.777, 124.463

100, 8.693,
109.518

38, 114.016,
309.698

35, 120.280,
309.397

35, 121.729,
309.271

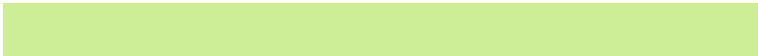
Harmonies

Complementary

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



68, 49.765, 306.871



90, 46.448, 122.645

Rectangle

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



68, 49.765, 306.871



68, 49.765, 356.871



68, 49.765, 126.871



68, 49.765, 176.871

Sweetspot

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



68, 49.763, 306.871



92, 15.036, 305.170



80, 23.863, 244.981



48, 10.125, 305.249



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, 49.763, 306.871



67, 63.197, 307.401



72, 53.849, 322.483



46, 7.368, 305.081



26, 100.065, 309.440



4, 39.106, 308.174

Inverse Universe

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



72, 43.124, 340.555



73, 53.899, 341.289



87, 53.340, 138.515



47, 6.614, 338.150



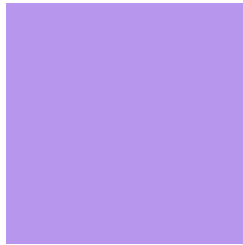
40, 69.099, 350.762



9, 31.045, 346.597

Previews

White Background



This preview shows how the CIELCh color 68, 49.765, 306.871 looks on a white background.

Color Contrast Check

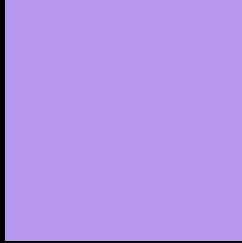
Large Text (above 18pt) WCAG AA × Fail

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, 49.765, 306.871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

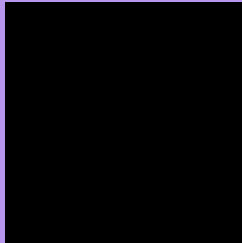
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 49.765, 306.871

Background



This preview shows how black text looks on a background with the CIELCh color 68, 49.765, 306.871.



This preview shows how white text looks on a background with the CIELCh color 68, 49.765, 306.871.

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, 49.765, 306.871

Protanopia
68, 47.576, 285.576

Deuteranopia
68, 39.437, 283.589



Tritanopia
68, 7.950, 315.772

Trichromacy



Original Color
68, 49.765, 306.871

Protanomaly
68, 47.925, 293.082

Deuteranomaly
68, 42.435, 293.100

Tritanomaly
68, 23.083, 308.303

Monochromacy



Original Color
68, 49.765, 306.871

Achromatopsia
70, 0.009, 296.813

Achromatomaly
69, 18.195, 305.477

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 49.765, 306.871 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, 150, 238)` looks like.

```
.text, #text, p{  
    color:rgb(183, 150, 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(183, 150, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 150, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 49.765, 306.871 is called "border". The border property can be set on classes, ids or directly on the HTML element.

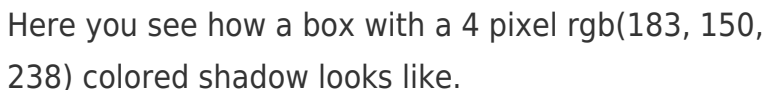
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 150, 238) }
```

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

```
.border{ border-color:rgb(183, 150, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(183, 150, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 150, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 150, 238); box-shadow:4px 4px 4px 4px rgb(183, 150, 238) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 49.765, 306.871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 150, 238) }
```

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

```
.background{ background-color: rgb(183,  
150, 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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