

Converting Colors

CIELCh(68, 42.903, 307.927)

Have a look what the booklet for
CIELCh(68, 42.903, 307.927)
contains.

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Color

CIELCh(68, 42.740, 307.848)

Conversions

Conversions Part 1

Format	Color
Hex	B798E3
RGB	183, 152, 227
RGB Percent	72%, 60%, 89%
CMY	0.2831, 0.4047, 0.1106
CMYK	0.19, 0.33, 0.00, 0.11
HSL	265°, 57%, 74%
HSV	265°, 33%, 89%
XYZ	44.5150, 37.9720, 77.5078
YIQ	169.8190, -5.5990, 29.8970

Conversions

Conversions Part 2

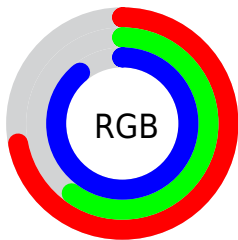
Format	Color
RYB	183, 152, 227
Decimal	12032227
CIELab	68.00, 26.22, -33.75
CIELCh	68, 42.740, 307.848
Yxy	37.9720, 0.2782, 0.2373
Android (android.graphics.Color)	4290222307 (0xFFB798E3)
YUV	169.8190, 28.1902, 11.5597
Hunter-Lab	61.6215, 21.1100, -31.4403

Details

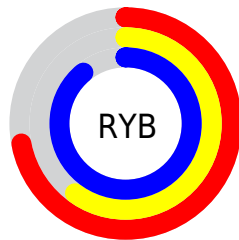
The CIELCh color $68, 42.740, 307.848$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $86, 40.395, 124.325$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $87, 27.675, 316.136$, and $48, 42.378, 307.893$ is the 20% darker color. If you saturate the color by 10%, you get $61, 56.337, 308.512$, and if you desaturate by 10%, it is $75, 29.387, 307.220$.

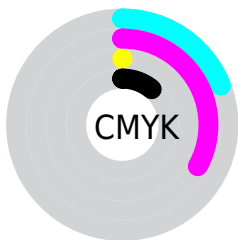
Distribution



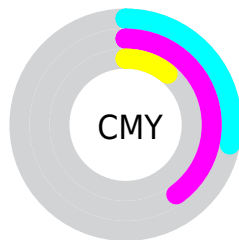
- Red (72%)
- Green (60%)
- Blue (89%)



- Red (72%)
- Yellow (60%)
- Blue (89%)



- Cyan (19%)
- Magenta (33%)
- Yellow (0%)
- Black (11%)



- Cyan (28%)
- Magenta (40%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 42.740, 307.848 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, 42.740, 307.848 by changing the saturation by 10% instead.

 68, 42.740,
307.848

 68, 42.740,
307.848

 100, 42.740,
307.848

 58, 42.740,
307.848

 88, 42.740,
307.848

 48, 42.740,
307.848

 98, 42.740,
307.848

 38, 42.740,
307.848

 28, 42.740,
307.848

 18, 42.740,
307.848

 8, 42.740, 307.848

 0, 42.740, 307.848

68, 42.740,
307.848

68, 42.740,
307.848

61, 56.337,
308.512

75, 29.387,
307.220

55, 69.972,
309.181

81, 16.389,
306.642

49, 83.255,
309.800

88, 3.787, 306.105

44, 95.539,
310.282

95, 8.406, 125.683

39, 105.873,
310.499

99, 14.443,
117.274

36, 113.179,
310.309

99, 14.271,
109.099

34, 116.502,
309.966

Harmonies

Complementary

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



68, 42.740, 307.848



86, 40.395, 124.325

Rectangle

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



68, 42.740, 307.848



68, 42.740, 357.848



68, 42.740, 127.848



68, 42.740, 177.848

Sweetspot

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



68, 42.738, 307.848



93, 13.734, 306.479



77, 21.139, 248.649



48, 9.391, 306.555



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, 42.738, 307.848



71, 57.375, 308.324



72, 46.741, 323.305



44, 7.024, 306.445



25, 96.175, 310.146



3, 32.890, 307.057

Inverse Universe

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



71, 36.238, 342.081



75, 48.045, 342.838



84, 46.450, 139.665



44, 6.098, 339.945



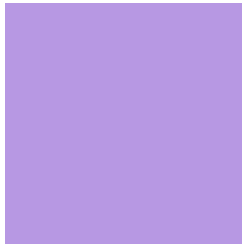
38, 65.825, 353.924



7, 27.498, 348.488

Previews

White Background



This preview shows how the CIELCh color 68, 42.740, 307.848 looks on a white background.

Color Contrast Check

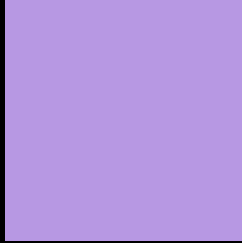
Large Text (above 18pt) WCAG AA × Fail

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, 42.740, 307.848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

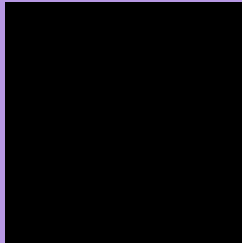
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 42.740, 307.848

Background



This preview shows how black text looks on a background with the CIELCh color 68, 42.740, 307.848.




This preview shows how white text looks on a background with the CIELCh color 68, 42.740, 307.848.

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, 8.498, 322.698

Trichromacy



Original Color
68, 42.740, 307.848

Protanomaly
68, 40.799, 293.320

Deuteranomaly
68, 35.854, 294.221

Tritanomaly
68, 21.100, 310.863

Monochromacy



Original Color
68, 42.740, 307.848

Achromatopsia
70, 0.009, 296.813

Achromatomaly
69, 16.074, 307.257

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 42.740, 307.848 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, 152, 227)` looks like.

```
.text, #text, p{  
    color:rgb(183, 152, 227)  
}
```

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, 152, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 152, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 42.740, 307.848 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, 152, 227) }
```

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

```
.border{ border-color:rgb(183, 152, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 152, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 152, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 152, 227);  
box-shadow:4px 4px 4px 4px rgb(183, 152,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 42.740, 307.848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 152, 227) }
```

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

```
.background{ background-color: rgb(183,  
152, 227) }
```

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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