

Converting Colors

CIELCh(68, 38.785, 301.002)

Have a look what the booklet for
CIELCh(68, 38.785, 301.002)
contains.

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Color

CIELCh(68, 39.048, 301.071)

Conversions

Conversions Part 1

Format	Color
Hex	AB9CE2
RGB	171, 156, 226
RGB Percent	67%, 61%, 89%
CMY	0.3290, 0.3879, 0.1133
CMYK	0.24, 0.31, 0.00, 0.11
HSL	253°, 55%, 75%
HSV	253°, 31%, 89%
XYZ	42.4594, 37.9720, 77.1133
YIQ	168.4650, -13.5300, 24.9500

Conversions

Conversions Part 2

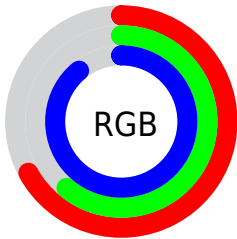
Format	Color
RYB	171, 156, 226
Decimal	11246818
CIELab	68.00, 20.15, -33.45
CIELCh	68, 39.048, 301.071
Yxy	37.9720, 0.2695, 0.2410
Android (android.graphics.Color)	4289436898 (0xFFAB9CE2)
YUV	168.4650, 28.3648, 2.2232
Hunter-Lab	61.6215, 15.1555, -31.0607

Details

The CIELCh color $68, 39.048, 301.071$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $87, 36.443, 116.467$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $87, 23.790, 305.145$, and $48, 38.645, 300.811$ is the 20% darker color. If you saturate the color by 10%, you get $61, 52.607, 302.126$, and if you desaturate by 10%, it is $75, 25.939, 300.134$.

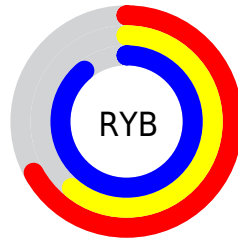
Distribution



Red (67%)

Green (61%)

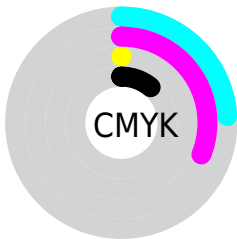
Blue (89%)



Red (67%)

Yellow (61%)

Blue (89%)

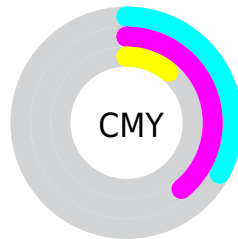


Cyan (24%)

Magenta (31%)

Yellow (0%)

Black (11%)



Cyan (33%)

Magenta (39%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 39.048, 301.071 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, 39.048, 301.071 by changing the saturation by 10% instead.

■ 68, 39.048,
301.071

■ 68, 39.048,
301.071

■ 100, 39.048,
301.071

■ 58, 39.048,
301.071

■ 88, 39.048,
301.071

■ 48, 39.048,
301.071

■ 98, 39.048,
301.071

■ 38, 39.048,
301.071

■ 28, 39.048,
301.071

■ 18, 39.048,
301.071

■ 8, 39.048, 301.071

■ 0, 39.048, 301.071

68, 39.048,
301.071

68, 39.048,
301.071

61, 52.607,
302.126

75, 25.939,
300.134

54, 66.521,
303.284

82, 13.312,
299.315

47, 80.530,
304.501

89, 1.156, 298.591

41, 94.078,
305.679

96, 10.550,
117.996

36, 106.146,
306.654

99, 14.623,
109.072

32, 115.247,
307.206

30, 120.287,
307.293

Harmonies

Complementary

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



68, 39.048, 301.071



87, 36.443, 116.467

Rectangle

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



68, 39.048, 301.071



68, 39.048, 351.071



68, 39.048, 121.071



68, 39.048, 171.071

Sweetspot

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



68, 39.046, 301.071



93, 12.007, 299.171



82, 19.377, 220.950



49, 8.366, 299.282



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, 39.046, 301.071



71, 52.043, 301.721



71, 41.759, 317.064



43, 6.834, 299.200



22, 99.562, 307.409



3, 32.046, 300.986

Inverse Universe

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



73, 38.727, 333.065



78, 50.816, 333.512



85, 40.801, 134.241



44, 7.025, 331.600



40, 74.174, 338.993



7, 31.078, 336.885

Previews

White Background



This preview shows how the CIELCh color 68, 39.048, 301.071 looks on a white background.

Color Contrast Check

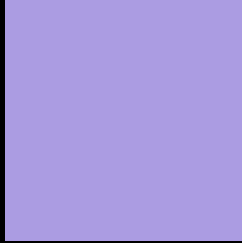
Large Text (above 18pt) WCAG AA × Fail

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, 39.048, 301.071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

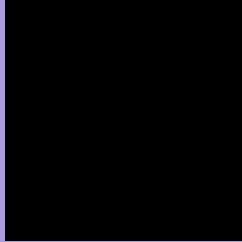
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 39.048, 301.071

Background



This preview shows how black text looks on a background with the CIELCh color 68, 39.048, 301.071.



This preview shows how white text looks on a background with the CIELCh color 68, 39.048, 301.071.

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, 39.048, 301.071

Protanopia

68, 38.186, 285.703

Deuteranopia

68, 34.288, 286.232



Tritanopia
68, 7.230, 282.208

Trichromacy



Original Color
68, 39.048, 301.071

Protanomaly
68, 38.597, 291.227

Deuteranomaly
68, 35.849, 292.211

Tritanomaly
68, 18.269, 295.314

Monochromacy



Original Color
68, 39.048, 301.071

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 14.519, 300.116

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 39.048, 301.071 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(171, 156, 226)` looks like.

```
.text, #text, p{  
    color:rgb(171, 156, 226)  
}
```

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(171, 156, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 156, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 39.048, 301.071 is called "border". The border property can be set on classes, ids or directly on the HTML element.

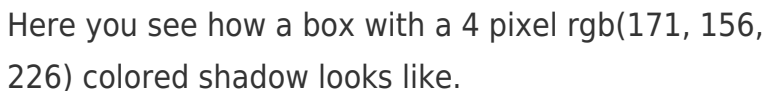
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 156, 226) }
```

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

```
.border{ border-color:rgb(171, 156, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(171, 156, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 156, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 156, 226); box-shadow:4px 4px 4px 4px rgb(171, 156, 226) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 39.048, 301.071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 156, 226) }
```

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

```
.background{ background-color: rgb(171,  
156, 226) }
```

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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