

Converting Colors

CIELCh(68, 37.256, 304.202)

Have a look what the booklet for
CIELCh(68, 37.256, 304.202)
contains.

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Color

CIELCh(68, 37.221, 304.449)

Conversions

Conversions Part 1

Format	Color
Hex	B09BDD
RGB	176, 155, 221
RGB Percent	69%, 61%, 87%
CMY	0.3092, 0.3915, 0.1327
CMYK	0.20, 0.30, 0.00, 0.13
HSL	259°, 49%, 74%
HSV	259°, 30%, 87%
XYZ	42.7608, 37.9720, 73.5967
YIQ	168.8030, -8.6700, 24.9780

Conversions

Conversions Part 2

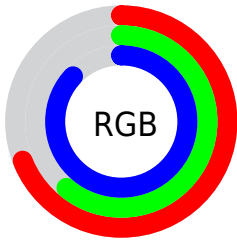
Format	Color
RYB	176, 155, 221
Decimal	11574237
CIELab	68.00, 21.05, -30.69
CIELCh	68, 37.221, 304.449
Yxy	37.9720, 0.2771, 0.2460
Android (android.graphics.Color)	4289764317 (0xFFB09BDD)
YUV	168.8030, 25.7331, 6.3118
Hunter-Lab	61.6215, 16.0285, -27.6772

Details

The CIELCh color $68, 37.221, 304.449$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $85, 35.102, 120.796$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $87, 24.849, 309.513$, and $48, 37.200, 304.091$ is the 20% darker color. If you saturate the color by 10%, you get $61, 50.478, 305.262$, and if you desaturate by 10%, it is $75, 24.332, 303.710$.

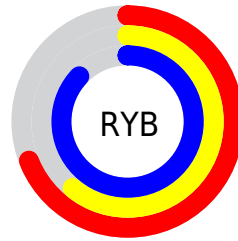
Distribution



Red (69%)

Green (61%)

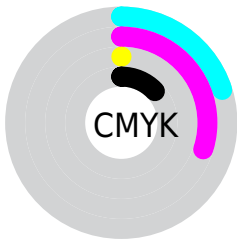
Blue (87%)



Red (69%)

Yellow (61%)

Blue (87%)

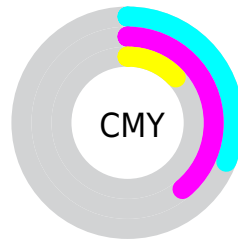


Cyan (20%)

Magenta (30%)

Yellow (0%)

Black (13%)



Cyan (31%)

Magenta (39%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 37.221, 304.449 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, 37.221, 304.449 by changing the saturation by 10% instead.

 68, 37.221,
304.449

 68, 37.221,
304.449

 100, 37.221,
304.449

 58, 37.221,
304.449

 88, 37.221,
304.449

 48, 37.221,
304.449

 98, 37.221,
304.449

 38, 37.221,
304.449

 28, 37.221,
304.449

 18, 37.221,
304.449

 8, 37.221, 304.449

 0, 37.221, 304.449

68, 37.221,
304.449

68, 37.221,
304.449

61, 50.478,
305.262

75, 24.332,
303.710

55, 63.981,
306.131

82, 11.865,
303.050

48, 77.458,
307.011

88, 0.173, 122.820

43, 90.390,
307.820

95, 11.790,
121.978

38, 101.898,
308.429

99, 17.172,
113.095

34, 110.767,
308.664

99, 17.112,
108.884

31, 116.334,
308.464

31, 116.413,

308.461

Harmonies

Complementary

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



68, 37.221, 304.449



85, 35.102, 120.796

Rectangle

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



68, 37.221, 304.449



68, 37.221, 354.449



68, 37.221, 124.449



68, 37.221, 174.449

Sweetspot

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



68, 37.219, 304.449



93, 12.158, 303.002



78, 18.161, 236.827



49, 8.469, 303.093



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, 37.219, 304.449



73, 50.914, 304.965



71, 40.548, 320.645



42, 6.790, 303.024



23, 96.888, 308.615



3, 30.249, 302.954

Inverse Universe

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



72, 34.157, 337.245



78, 46.123, 337.792



83, 40.056, 137.697



43, 6.400, 335.654



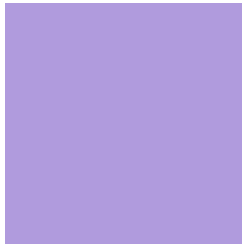
38, 68.412, 346.139



6, 27.692, 342.305

Previews

White Background



This preview shows how the CIELCh color 68, 37.221, 304.449 looks on a white background.

Color Contrast Check

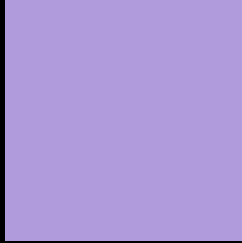
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 68, 37.221, 304.449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

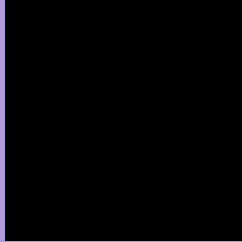
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 37.221, 304.449

Background



This preview shows how black text looks on a background with the CIELCh color 68, 37.221, 304.449.




This preview shows how white text looks on a background with the CIELCh color 68, 37.221, 304.449.

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, 7.342, 302.503

Trichromacy



Original Color
68, 37.221, 304.449

Protanomaly
68, 35.810, 292.191

Deuteranomaly
68, 33.120, 294.021

Tritanomaly
68, 18.078, 303.272

Monochromacy



Original Color
68, 37.221, 304.449

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 13.574, 303.770

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 37.221, 304.449 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(176, 155, 221)` looks like.

```
.text, #text, p{  
    color:rgb(176, 155, 221)  
}
```

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(176, 155, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 155, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 37.221, 304.449 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(176, 155, 221) }
```

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

```
.border{ border-color:rgb(176, 155, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 155, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 155, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 155, 221);  
box-shadow:4px 4px 4px 4px rgb(176, 155,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 37.221, 304.449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 155, 221) }
```

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

```
.background{ background-color: rgb(176,  
155, 221) }
```

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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