

Converting Colors

CIELCh(68, 44.719, 302.175)

Have a look what the booklet for
CIELCh(68, 44.719, 302.175)
contains.

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Color

CIELCh(68, 44.672, 302.161)

Conversions

Conversions Part 1

Format	Color
Hex	AD9AEA
RGB	173, 154, 234
RGB Percent	68%, 60%, 92%
CMY	0.3213, 0.3958, 0.0821
CMYK	0.26, 0.34, 0.00, 0.08
HSL	254°, 66%, 76%
HSV	254°, 34%, 92%
XYZ	43.6794, 37.9720, 82.9264
YIQ	168.8010, -14.3560, 28.9080

Conversions

Conversions Part 2

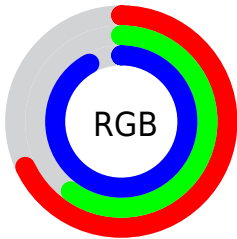
Format	Color
R _{YB}	173, 154, 234
Decimal	11377386
CIE Lab	68.00, 23.78, -37.82
CIE LCh	68, 44.672, 302.161
Yxy	37.9720, 0.2654, 0.2307
Android (android.graphics.Color)	4289567466 (0xFFAD9AEA)
YUV	168.8010, 32.1431, 3.6825
Hunter-Lab	61.6215, 18.6894, -36.6539

Details

The CIELCh color $68, 44.672, 302.161$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $90, 41.407, 117.229$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $87, 25.886, 308.843$, and $48, 44.588, 302.154$ is the 20% darker color. If you saturate the color by 10%, you get $61, 58.740, 303.194$, and if you desaturate by 10%, it is $75, 31.025, 301.233$.

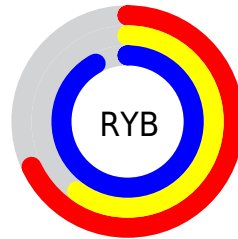
Distribution



Red (68%)

Green (60%)

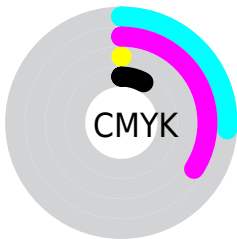
Blue (92%)



Red (68%)

Yellow (60%)

Blue (92%)

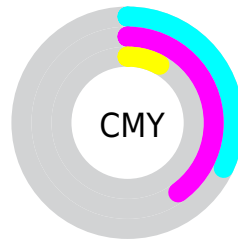


Cyan (26%)

Magenta (34%)

Yellow (0%)

Black (8%)



Cyan (32%)


Magenta (40%)

Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 44.672, 302.161 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, 44.672, 302.161 by changing the saturation by 10% instead.


 68, 44.672,
302.161

 68, 44.672,
302.161


 100, 44.672,
302.161


 58, 44.672,
302.161


 88, 44.672,
302.161

 48, 44.672,
302.161

 98, 44.672,
302.161

 38, 44.672,
302.161

 28, 44.672,
302.161

 18, 44.672,
302.161

 8, 44.672, 302.161

 0, 44.672, 302.161

68, 44.672,
302.161

68, 44.672,
302.161

61, 58.740,
303.194

75, 31.025,
301.233

54, 73.079,
304.307

82, 17.857,
300.414

47, 87.330,
305.440

90, 5.171, 299.697

41, 100.780,
306.479

97, 7.047, 119.089

100, 10.591,
109.376

36, 112.223,
307.243

33, 120.130,
307.519

31, 123.115,
307.493

Harmonies

Complementary

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



68, 44.672, 302.161



90, 41.407, 117.229

Rectangle

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



68, 44.672, 302.161



68, 44.672, 352.161



68, 44.672, 122.161



68, 44.672, 172.161

Sweetspot

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



68, 44.670, 302.161



92, 13.398, 300.106



83, 21.486, 225.796



48, 9.164, 300.209



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, 44.670, 302.161



68, 58.147, 302.875



72, 47.784, 318.255



45, 7.106, 300.064



23, 101.391, 307.617



3, 36.376, 303.393

Inverse Universe

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



73, 43.202, 334.205



75, 55.189, 334.736



87, 46.743, 135.052



46, 7.167, 332.457



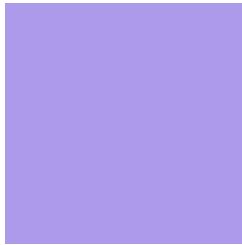
41, 74.480, 340.508



8, 32.708, 338.310

Previews

White Background



This preview shows how the CIELCh color 68, 44.672, 302.161 looks on a white background.

Color Contrast Check

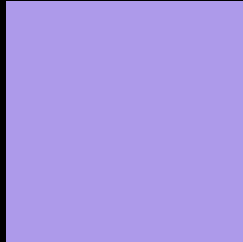
Large Text (above 18pt) WCAG AA × Fail

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, 44.672, 302.161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

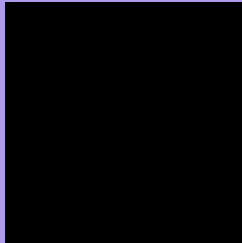
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 44.672, 302.161

Background



This preview shows how black text looks on a background with the CIELCh color 68, 44.672, 302.161.

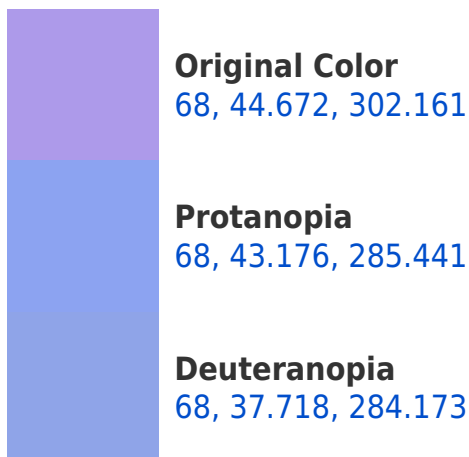



This preview shows how white text looks on a background with the CIELCh color 68, 44.672, 302.161.

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, 7.230, 282.208

Trichromacy



Original Color
68, 44.672, 302.161

Protanomaly
68, 42.969, 291.171

Deuteranomaly
68, 40.231, 291.510

Tritanomaly
68, 20.545, 297.089

Monochromacy



Original Color
68, 44.672, 302.161

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 16.151, 299.353

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 44.672, 302.161 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(173, 154, 234)` looks like.

```
.text, #text, p{  
    color:rgb(173, 154, 234)  
}
```

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(173, 154, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 154, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 44.672, 302.161 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(173, 154, 234) }
```

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

```
.border{ border-color:rgb(173, 154, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 154, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 154, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 154, 234);  
box-shadow:4px 4px 4px 4px rgb(173, 154,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 44.672, 302.161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 154, 234) }
```

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

```
.background{ background-color: rgb(173,  
154, 234) }
```

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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