

Converting Colors

CIELCh(68, 29.270, 300.097)

Have a look what the booklet for
CIELCh(68, 29.270, 300.097)
contains.

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Color

CIELCh(68, 29.022, 300.360)

Conversions

Conversions Part 1

Format	Color
Hex	AA9FD3
RGB	170, 159, 211
RGB Percent	67%, 62%, 83%
CMY	0.3339, 0.3770, 0.1731
CMYK	0.19, 0.25, 0.00, 0.17
HSL	253°, 37%, 72%
HSV	253°, 25%, 83%
XYZ	40.6579, 37.9720, 66.7141
YIQ	168.2170, -10.1360, 18.5040

Conversions

Conversions Part 2

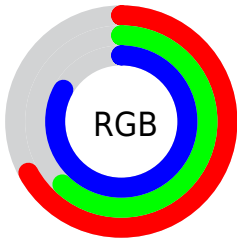
Format	Color
RYB	170, 159, 211
Decimal	11182035
CIELab	68.00, 14.67, -25.04
CIElCh	68, 29.022, 300.360
Yxy	37.9720, 0.2797, 0.2613
Android (android.graphics.Color)	4289372115 (0xFFAA9FD3)
YUV	168.2170, 21.0920, 1.5637
Hunter-Lab	61.6215, 9.9370, -21.0550

Details

The CIELCh color `68, 29.022, 300.360` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `83, 27.516, 116.782`, and the grayscale version is `69, 0.009, 296.813`.

A 20% lighter version of the original color is `88, 21.918, 302.548`, and `48, 28.584, 300.077` is the 20% darker color. If you saturate the color by 10%, you get `61, 41.563, 301.341`, and if you desaturate by 10%, it is `75, 16.927, 299.497`.

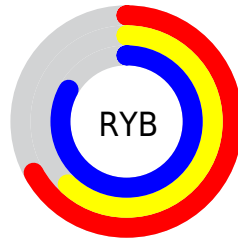
Distribution



Red (67%)

Green (62%)

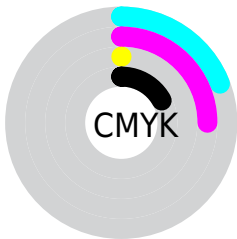
Blue (83%)



Red (67%)

Yellow (62%)

Blue (83%)

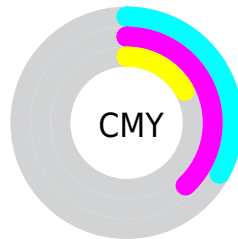


Cyan (19%)

Magenta (25%)

Yellow (0%)

Black (17%)



Cyan (33%)

Magenta (38%)


Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 29.022, 300.360 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, 29.022, 300.360 by changing the saturation by 10% instead.

 68, 29.022,
300.360

 68, 29.022,
300.360


 100, 29.022,
300.360


 58, 29.022,
300.360


 88, 29.022,
300.360

 48, 29.022,
300.360

 98, 29.022,
300.360

 38, 29.022,
300.360

 28, 29.022,
300.360

 18, 29.022,
300.360

 8, 29.022, 300.360

 0, 29.022, 300.360

68, 29.022,
300.360

68, 29.022,
300.360

61, 41.563,
301.341

75, 16.927,
299.497

55, 54.512,
302.438

81, 5.283, 298.746

88, 5.928, 118.105

48, 67.733,
303.628

95, 16.731,
117.545

42, 80.908,
304.851

99, 22.322,
110.412

37, 93.380,
305.990

99, 22.303,
108.488

32, 104.024,
306.857

29, 111.386,
307.231

27, 114.128,

Harmonies

Complementary

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



68, 29.022, 300.360



83, 27.516, 116.782

Rectangle

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



68, 29.022, 300.360



68, 29.022, 350.360



68, 29.022, 120.360



68, 29.022, 170.360

Sweetspot

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



68, 29.020, 300.359



95, 9.303, 298.918



78, 14.919, 220.510



50, 6.051, 298.963



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, 29.020, 300.359



77, 41.643, 300.901



70, 31.302, 316.782



40, 6.446, 299.090



21, 96.343, 307.407



2, 25.799, 298.550

Inverse Universe

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



71, 29.231, 332.515



82, 41.462, 332.906



81, 30.729, 134.588



41, 6.641, 331.493



38, 71.960, 338.774



5, 26.421, 336.210

Previews

White Background



This preview shows how the CIELCh color 68, 29.022, 300.360 looks on a white background.

Color Contrast Check

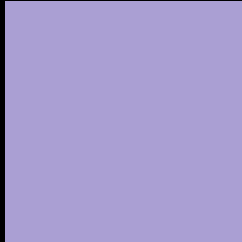
Large Text (above 18pt) WCAG AA × Fail

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, 29.022, 300.360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

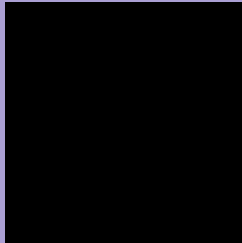
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 29.022, 300.360

Background



This preview shows how black text looks on a background with the CIELCh color 68, 29.022, 300.360.



This preview shows how white text looks on a background with the CIELCh color 68, 29.022, 300.360.

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, 29.022, 300.360

Protanopia

68, 27.701, 284.834

Deuteranopia

68, 25.906, 289.821



Tritanopia
68, 7.169, 287.990

Trichromacy



Original Color
68, 29.022, 300.360

Protanomaly
68, 28.126, 290.306

Deuteranomaly
68, 27.067, 294.295

Tritanomaly
68, 14.954, 295.776

Monochromacy



Original Color
68, 29.022, 300.360

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 10.587, 299.116

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 29.022, 300.360 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(170, 159, 211)` looks like.

```
.text, #text, p{  
    color:rgb(170, 159, 211)  
}
```

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(170, 159, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 159, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 29.022, 300.360 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(170, 159, 211) }
```

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

```
.border{ border-color:rgb(170, 159, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 159, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 159, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 159, 211);  
box-shadow:4px 4px 4px 4px rgb(170, 159,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 29.022, 300.360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 159, 211) }
```

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

```
.background{ background-color: rgb(170,  
159, 211) }
```

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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