

Converting Colors

CIELCh(68, 27.215, 301.582)

Have a look what the booklet for
CIELCh(68, 27.215, 301.582)
contains.

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Color

CIELCh(68, 27.442, 301.421)

Conversions

Conversions Part 1

Format	Color
Hex	AB9FD0
RGB	171, 159, 208
RGB Percent	67%, 62%, 82%
CMY	0.3297, 0.3767, 0.1846
CMYK	0.18, 0.24, 0.00, 0.18
HSL	255°, 34%, 72%
HSV	255°, 24%, 82%
XYZ	40.5407, 37.9720, 64.8187
YIQ	168.1740, -8.5770, 17.7830

Conversions

Conversions Part 2

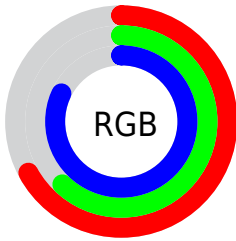
Format	Color
R_{YB}	171, 159, 208
Decimal	11247568
CIE _{Lab}	68.00, 14.31, -23.42
CIE _{LCh}	68, 27.442, 301.421
Yxy	37.9720, 0.2828, 0.2649
Android (android.graphics.Color)	4289437648 (0xFFAB9FD0)
YUV	168.1740, 19.6342, 2.4784
Hunter-Lab	61.6215, 9.5974, -19.2313

Details

The CIELCh color `68, 27.442, 301.421` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `81, 26.128, 118.224`, and the grayscale version is `69, 0.009, 296.813`.

A 20% lighter version of the original color is `88, 21.984, 303.419`, and `48, 26.886, 301.108` is the 20% darker color. If you saturate the color by 10%, you get `61, 39.803, 302.318`, and if you desaturate by 10%, it is `75, 15.507, 300.627`.

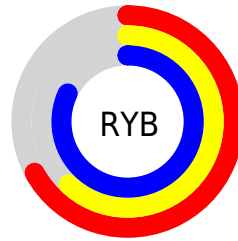
Distribution



Red (67%)

Green (62%)

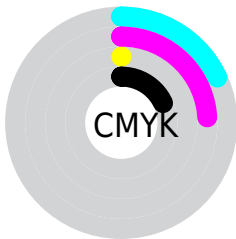
Blue (82%)



Red (67%)

Yellow (62%)

Blue (82%)

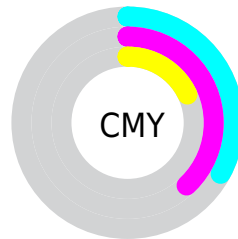


Cyan (18%)

Magenta (24%)

Yellow (0%)

Black (18%)



Cyan (33%)

Magenta (38%)

Yellow (18%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 27.442, 301.421 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, 27.442, 301.421 by changing the saturation by 10% instead.

 68, 27.442,
301.421


 68, 27.442,
301.421

 100, 27.442,
301.421


 58, 27.442,
301.421


 88, 27.442,
301.421

 48, 27.442,
301.421

 98, 27.442,
301.421

 38, 27.442,
301.421

 28, 27.442,
301.421

 18, 27.442,
301.421

 8, 27.442, 301.421

 0, 27.442, 301.421

68, 27.442,
301.421

68, 27.442,
301.421

61, 39.803,
302.318

75, 15.507,
300.627

55, 52.548,
303.318

81, 4.005, 299.930

88, 7.077, 119.342

49, 65.547,
304.395

94, 17.762,
118.822

43, 78.500,
305.496

99, 23.879,
113.350

37, 90.808,
306.517

99, 23.769,
108.376

32, 101.448,
307.289

29, 109.073,
307.606

27, 112.416,

307.620

Harmonies

Complementary

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



68, 27.442, 301.421



81, 26.128, 118.224

Rectangle

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



68, 27.442, 301.421



68, 27.442, 351.421



68, 27.442, 121.421



68, 27.442, 171.421

Sweetspot

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



68, 27.440, 301.420



95, 9.336, 300.166



77, 13.968, 224.787



50, 6.073, 300.208



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, 27.440, 301.420



78, 38.819, 301.835



70, 29.780, 317.785



41, 6.468, 300.327



21, 95.893, 307.736



2, 25.858, 299.381

Inverse Universe

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



71, 26.982, 333.708



83, 37.835, 334.051



80, 29.327, 135.664



41, 6.485, 332.724



38, 70.259, 340.904



5, 25.749, 337.895

Previews

White Background



This preview shows how the CIELCh color 68, 27.442, 301.421 looks on a white background.

Color Contrast Check

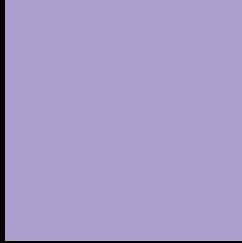
Large Text (above 18pt) WCAG AA × Fail

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, 27.442, 301.421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

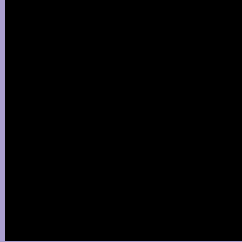
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 27.442, 301.421

Background



This preview shows how black text looks on a background with the CIELCh color 68, 27.442, 301.421.



This preview shows how white text looks on a background with the CIELCh color 68, 27.442, 301.421.

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, 7.221, 296.763

Trichromacy



Original Color
68, 27.442, 301.421

Protanomaly
68, 26.469, 291.384

Deuteranomaly
68, 25.435, 295.004

Tritanomaly
68, 14.551, 300.126

Monochromacy



Original Color
68, 27.442, 301.421

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 10.043, 299.513

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 27.442, 301.421 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, 159, 208)` looks like.

```
.text, #text, p{  
    color:rgb(171, 159, 208)  
}
```

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, 159, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 159, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 27.442, 301.421 is called "border". The border property can be set on classes, ids or directly on the HTML element.

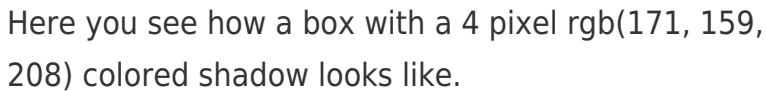
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 159, 208) }
```

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

```
.border{ border-color:rgb(171, 159, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(171, 159, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 159, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 159, 208); box-shadow:4px 4px 4px 4px rgb(171, 159, 208) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 27.442, 301.421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 159, 208) }
```

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

```
.background{ background-color: rgb(171,  
159, 208) }
```

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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