

Converting Colors

CIELCh(68, 50.482, 301.823)

Have a look what the booklet for
CIELCh(68, 50.482, 301.823)
contains.

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Color

CIELCh(68, 50.085, 301.613)

Conversions

Conversions Part 1

Format	Color
Hex	AC99F3
RGB	172, 153, 243
RGB Percent	67%, 60%, 95%
CMY	0.3259, 0.4004, 0.0475
CMYK	0.29, 0.37, 0.00, 0.05
HSL	253°, 79%, 78%
HSV	253°, 37%, 95%
XYZ	44.5252, 37.9720, 89.6887
YIQ	168.9410, -17.5660, 32.0180

Conversions

Conversions Part 2

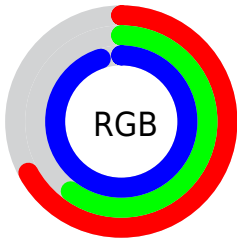
Format	Color
R _Y B	172, 153, 243
Decimal	11311603
CIE Lab	68.00, 26.25, -42.65
CIE LCh	68, 50.085, 301.613
Yxy	37.9720, 0.2586, 0.2205
Android (android.graphics.Color)	4289501683 (0xFFAC99F3)
YUV	168.9410, 36.5111, 2.6827
Hunter-Lab	61.6215, 21.1395, -43.1603

Details

The CIELCh color **68, 50.085, 301.613** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93, 45.960, 115.921**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 26.407, 308.529**, and **48, 49.745, 301.481** is the 20% darker color. If you saturate the color by 10%, you get **61, 64.714, 302.750**, and if you desaturate by 10%, it is **75, 35.886, 300.591**.

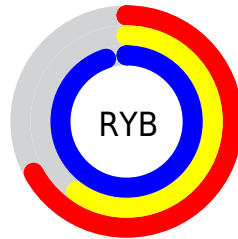
Distribution



Red (67%)

Green (60%)

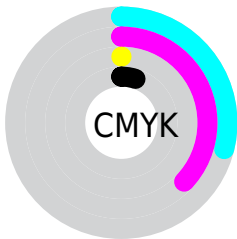
Blue (95%)



Red (67%)

Yellow (60%)

Blue (95%)

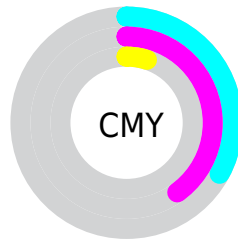


Cyan (29%)

Magenta (37%)

Yellow (0%)

Black (5%)



Cyan (33%)


Magenta (40%)


Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 50.085, 301.613 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, 50.085, 301.613 by changing the saturation by 10% instead.


 68, 50.085,
301.613

 68, 50.085,
301.613


 100, 50.085,
301.613


 58, 50.085,
301.613


 88, 50.085,
301.613

 48, 50.085,
301.613

 98, 50.085,
301.613

 38, 50.085,
301.613

 28, 50.085,
301.613

 18, 50.085,
301.613

 8, 50.085, 301.613

 0, 50.085, 301.613

68, 50.085,
301.613

68, 50.085,
301.613

61, 64.714,
302.750

75, 35.886,
300.591

53, 79.579,
303.969

83, 22.191,
299.690

47, 94.226,
305.194

91, 9.006, 298.905

41, 107.762,
306.284

98, 3.683, 118.235

100, 6.129,
109.707

36, 118.743,
307.030

33, 125.593,
307.223

32, 127.073,
307.237

Harmonies

Complementary

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



68, 50.085, 301.613



93, 45.960, 115.921

Rectangle

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



68, 50.085, 301.613



68, 50.085, 351.613



68, 50.085, 121.613



68, 50.085, 171.613

Sweetspot

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



68, 50.084, 301.613



91, 14.725, 299.204



86, 23.966, 221.478



48, 9.919, 299.310



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, 50.084, 301.613



66, 62.650, 302.406



72, 53.063, 317.330



47, 7.339, 299.087



24, 103.903, 307.351



4, 40.542, 304.484

Inverse Universe

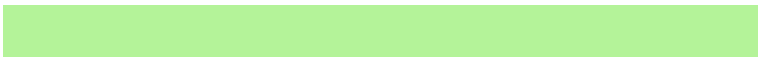
The Inverse Universe completely reimagines the original color for something new.



74, 49.025, 333.384



74, 60.035, 333.899



90, 51.611, 133.893



48, 7.563, 331.490



42, 77.477, 338.846



10, 35.170, 337.155

Previews

White Background



This preview shows how the CIELCh color 68, 50.085, 301.613 looks on a white background.

Color Contrast Check

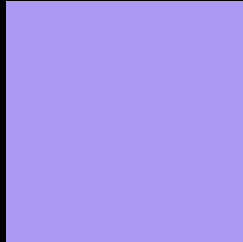
Large Text (above 18pt) WCAG AA × Fail

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, 50.085, 301.613 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, 50.085, 301.613

Background



This preview shows how black text looks on a background with the CIELCh color 68, 50.085, 301.613.

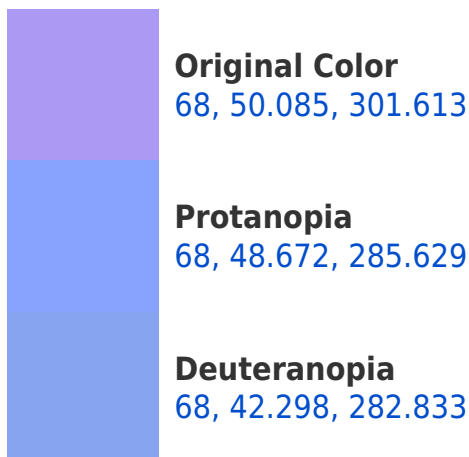


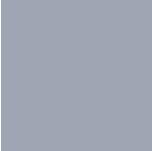
This preview shows how white text looks on a background with the CIELCh color 68, 50.085, 301.613.

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, 7.548, 271.271

Trichromacy



Original Color
68, 50.085, 301.613

Protanomaly
68, 49.015, 291.223

Deuteranomaly
68, 44.652, 289.986

Tritanomaly
68, 22.689, 295.053

Monochromacy



Original Color
68, 50.085, 301.613

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 18.398, 299.691

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 50.085, 301.613 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(172, 153, 243)` looks like.

```
.text, #text, p{  
    color:rgb(172, 153, 243)  
}
```

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(172, 153, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 153, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 50.085, 301.613 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(172, 153, 243) }
```

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

```
.border{ border-color:rgb(172, 153, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 153, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 153, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 153, 243);  
box-shadow:4px 4px 4px 4px rgb(172, 153,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 50.085, 301.613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 153, 243) }
```

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

```
.background{ background-color: rgb(172,  
153, 243) }
```

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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