

Converting Colors

CIELCh(68, 56.014, 300.054)

Have a look what the booklet for
CIELCh(68, 56.014, 300.054)
contains.

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Color

CIELCh(68, 56.498, 300.302)

Conversions

Conversions Part 1

Format	Color
Hex	A898FE
RGB	168, 152, 254
RGB Percent	66%, 60%, 100%
CMY	0.3409, 0.4036, 0.0036
CMYK	0.34, 0.40, 0.00, 0.00
HSL	249°, 98%, 80%
HSV	249°, 40%, 100%
XYZ	45.3047, 37.9720, 98.7714
YIQ	168.4120, -23.2060, 35.1140

Conversions

Conversions Part 2

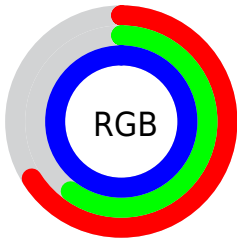
Format	Color
RYB	168, 152, 254
Decimal	11049214
CIELab	68.00, 28.51, -48.78
CIELCh	68, 56.498, 300.302
Yxy	37.9720, 0.2489, 0.2086
Android (android.graphics.Color)	4289239294 (0xFFA898FE)
YUV	168.4120, 42.1949, -0.3613
Hunter-Lab	61.6215, 23.3974, -51.8994

Details

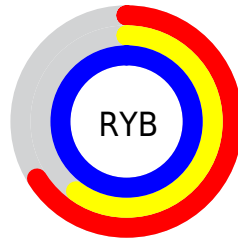
The CIELCh color `68, 56.498, 300.302` is a light color, and the websafe version is hex `9999FF`. A complement of this color would be `97, 51.148, 113.355`, and the grayscale version is `69, 0.009, 296.813`.

A 20% lighter version of the original color is `86, 26.754, 306.821`, and `48, 56.568, 300.186` is the 20% darker color. If you saturate the color by 10%, you get `60, 71.857, 301.649`, and if you desaturate by 10%, it is `76, 41.601, 299.095`.

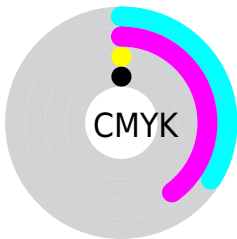
Distribution



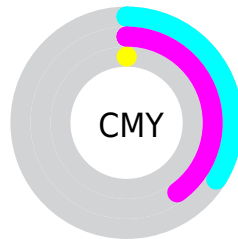
- Red (66%)
- Green (60%)
- Blue (100%)



- Red (66%)
- Yellow (60%)
- Blue (100%)



- Cyan (34%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (34%)
- Magenta (40%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 56.498, 300.302 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, 56.498, 300.302 by changing the saturation by 10% instead.


 68, 56.498,
300.302


 68, 56.498,
300.302


 100, 56.498,
300.302


 58, 56.498,
300.302


 88, 56.498,
300.302

 48, 56.498,
300.302

 98, 56.498,
300.302

 38, 56.498,
300.302

 28, 56.498,
300.302

 18, 56.498,
300.302

 8, 56.498, 300.302

 0, 56.498, 300.302

68, 56.498,
300.302

68, 56.498,
300.302

60, 71.857,
301.649

76, 41.601,
299.095

53, 87.431,
303.093

84, 27.252,
298.038

46, 102.624,
304.532

92, 13.460,
297.124

40, 116.268,
305.781

100, 0.203,
296.365

36, 126.576,
306.586

100, 0.457,
109.974

33, 132.298,
306.828

Harmonies

Complementary

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



68, 56.498, 300.302



97, 51.148, 113.355

Rectangle

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



68, 56.498, 300.302



68, 56.498, 350.302



68, 56.498, 120.302



68, 56.498, 170.302

Sweetspot

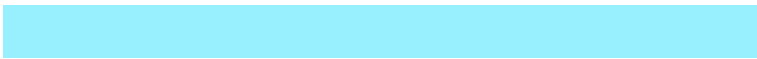
The Sweet Spot groups the original color and five complimentary colors.



68, 56.497, 300.302



91, 16.021, 297.283



90, 27.245, 214.963



47, 10.653, 297.398



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, 56.497, 300.302



62, 68.731, 301.351



73, 59.170, 315.883



49, 7.554, 297.070



24, 106.701, 306.919



4, 44.474, 304.746

Inverse Universe

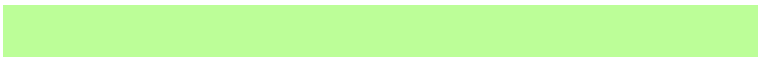
The Inverse Universe completely reimagines the original color for something new.



76, 56.974, 331.587



72, 67.427, 332.102



93, 57.026, 132.188



50, 8.127, 329.618



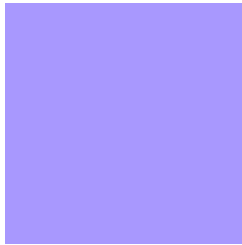
44, 82.321, 335.666



12, 38.427, 334.633

Previews

White Background



This preview shows how the CIELCh color 68, 56.498, 300.302 looks on a white background.

Color Contrast Check

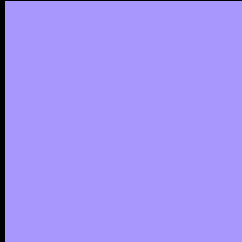
Large Text (above 18pt) WCAG AA × Fail

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, 56.498, 300.302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

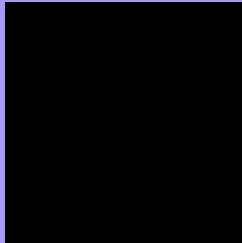
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 56.498, 300.302

Background



This preview shows how black text looks on a background with the CIELCh color 68, 56.498, 300.302.

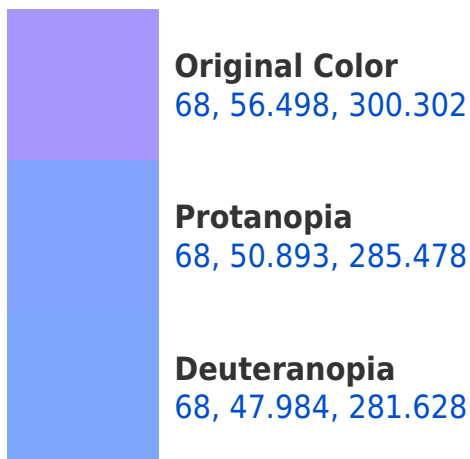


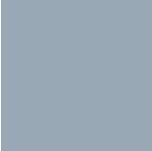
This preview shows how white text looks on a background with the CIELCh color 68, 56.498, 300.302.

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, 9.038, 251.719

Trichromacy



Original Color
68, 56.498, 300.302

Protanomaly
68, 52.835, 291.011

Deuteranomaly
68, 50.721, 289.047

Tritanomaly
68, 25.386, 289.713

Monochromacy



Original Color
68, 56.498, 300.302

Achromatopsia
69, 0.009, 296.813

Achromatomaly
68, 20.558, 298.050

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 56.498, 300.302 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(168, 152, 254)` looks like.

```
.text, #text, p{  
    color:rgb(168, 152, 254)  
}
```

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(168, 152, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 152, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 56.498, 300.302 is called "border". The border property can be set on classes, ids or directly on the HTML element.

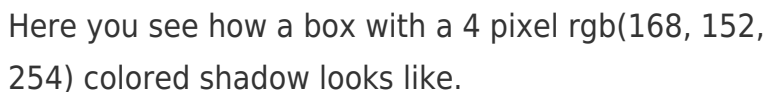
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 152, 254) }
```

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

```
.border{ border-color:rgb(168, 152, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 152, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 152, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 152, 254);  
box-shadow:4px 4px 4px 4px rgb(168, 152,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 56.498, 300.302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 152, 254) }
```

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

```
.background{ background-color: rgb(168,  
152, 254) }
```

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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