

Converting Colors

CIELCh(68, 5.852, 309.303)

Have a look what the booklet for
CIELCh(68, 5.852, 309.303) contains.

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Color

CIELCh(68, 5.846, 309.299)

Conversions

Conversions Part 1

Format	Color
Hex	A9A4AE
RGB	169, 164, 174
RGB Percent	66%, 64%, 68%
CMY	0.3378, 0.3574, 0.3182
CMYK	0.03, 0.06, 0.00, 0.32
HSL	270°, 6%, 66%
HSV	270°, 6%, 68%
XYZ	37.2099, 37.9720, 45.3418
YIQ	166.6350, -0.2300, 4.1700

Conversions

Conversions Part 2

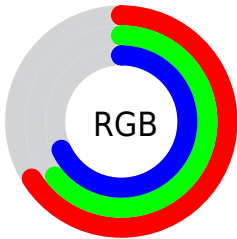
Format	Color
RYB	169, 164, 174
Decimal	11117742
CIELab	68.00, 3.70, -4.52
CIELCh	68, 5.846, 309.299
Yxy	37.9720, 0.3087, 0.3151
Android (android.graphics.Color)	4289307822 (0xFFA9A4AE)
YUV	166.6350, 3.6309, 2.0741
Hunter-Lab	61.6215, -0.0510, -0.4913

Details

The CIELCh color **68, 5.846, 309.299** is a light color, and the websafe version is hex **999999**. A complement of this color would be **70, 5.786, 128.835**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 5.545, 309.236**, and **48, 6.254, 309.403** is the 20% darker color. If you saturate the color by 10%, you get **63, 16.228, 309.772**, and if you desaturate by 10%, it is **73, 4.241, 128.915**.

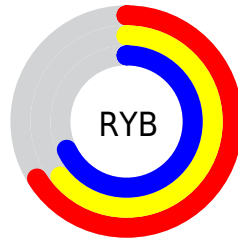
Distribution



Red (66%)

Green (64%)

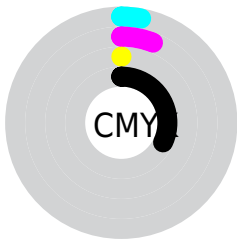
Blue (68%)



Red (66%)

Yellow (64%)

Blue (68%)

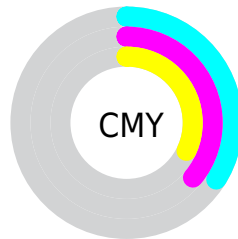


Cyan (3%)

Magenta (6%)

Yellow (0%)

Black (32%)



Cyan (34%)

Magenta (36%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 5.846, 309.299 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, 5.846, 309.299 by changing the saturation by 10% instead.

■ 68, 5.846, 309.299

■ 68, 5.846, 309.299

■ 100, 5.846,
309.299

■ 58, 5.846, 309.299

■ 88, 5.846, 309.299

■ 48, 5.846, 309.299

■ 98, 5.846, 309.299

■ 38, 5.846, 309.299

■ 28, 5.846, 309.299

■ 18, 5.846, 309.299

■ 8, 5.846, 309.299

■ 0, 5.846, 309.299

■ 68, 5.846, 309.299

■ 68, 5.846, 309.299

■ 63, 16.228,

■ 73, 4.241, 128.915

309.772

79, 14.018,
128.518

57, 26.881,
310.278

84, 23.492,
128.178

52, 37.741,
310.809

89, 32.672,
127.881

47, 48.683,
311.346

94, 41.571,
127.621

42, 59.488,
311.853

96, 42.829,
124.577

38, 69.797,
312.276

97, 41.894,
120.396

34, 79.069,
312.532

97, 41.203,
115.972

30, 86.601,
312.518

98, 40.782,
111.359

28, 91.742,
312.132

Harmonies

Complementary

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



68, 5.846, 309.299



70, 5.786, 128.835

Rectangle

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



68, 5.846, 309.299



68, 5.846, 359.299



68, 5.846, 129.299



68, 5.846, 179.299

Sweetspot

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



68, 5.844, 309.294



89, 2.518, 309.099



69, 3.245, 254.399



48, 1.443, 309.091



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68, 5.844, 309.294



86, 8.852, 309.359



68, 6.659, 324.268



34, 4.604, 309.374



23, 84.039, 312.076



1, 11.830, 305.855

Inverse Universe

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



68, 4.707, 344.031



86, 7.128, 344.161



70, 6.642, 143.717



35, 3.707, 344.191



32, 57.250, 1.235



2, 9.137, 348.796

Previews

White Background



This preview shows how the CIELCh color 68, 5.846, 309.299 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, 5.846, 309.299 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

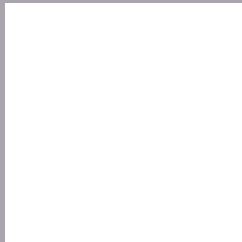
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 5.846, 309.299

Background



This preview shows how black text looks on a background with the CIELCh color 68, 5.846, 309.299.

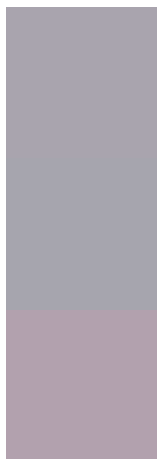


This preview shows how white text looks on a background with the CIELCh color 68, 5.846, 309.299.

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, 5.846, 309.299

Protanopia

68, 4.982, 294.961

Deuteranopia

68, 9.642, 332.368



Tritanopia
68, 7.541, 308.037

Trichromacy



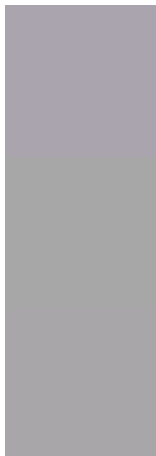
Original Color
68, 5.846, 309.299

Protanomaly
68, 5.028, 299.182

Deuteranomaly
68, 8.258, 326.970

Tritanomaly
68, 7.017, 309.352

Monochromacy



Original Color
68, 5.846, 309.299

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 1.830, 314.659

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 5.846, 309.299 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(169, 164, 174)` looks like.

```
.text, #text, p{  
    color:rgb(169, 164, 174)  
}
```

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(169, 164, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 164, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 5.846, 309.299 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(169, 164, 174) }
```

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

```
.border{ border-color:rgb(169, 164, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 164, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 164, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 164, 174);  
box-shadow:4px 4px 4px 4px rgb(169, 164,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 5.846, 309.299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 164, 174) }
```

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

```
.background{ background-color: rgb(169,  
164, 174) }
```

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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