

Converting Colors

CIELCh(69, 1.856, 305.037)

Have a look what the booklet for
CIELCh(69, 1.856, 305.037) contains.

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Color

CIELCh(69, 1.701, 303.109)

Conversions

Conversions Part 1

Format	Color
Hex	A9A8AB
RGB	169, 168, 171
RGB Percent	66%, 66%, 67%
CMY	0.3375, 0.3414, 0.3297
CMYK	0.01, 0.02, 0.00, 0.33
HSL	260°, 2%, 66%
HSV	260°, 2%, 67%
XYZ	37.6809, 39.3444, 44.1010
YIQ	168.6410, -0.3670, 1.1450

Conversions

Conversions Part 2

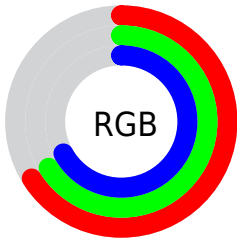
Format	Color
RYB	169, 168, 171
Decimal	11118763
CIELab	69.00, 0.93, -1.42
CIELCh	69, 1.701, 303.109
Yxy	39.3444, 0.3111, 0.3248
Android (android.graphics.Color)	4289308843 (0xFFA9A8AB)
YUV	168.6410, 1.1630, 0.3148
Hunter-Lab	62.7251, -2.5385, 2.2217

Details

The CIELCh color $69, 1.701, 303.109$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $70, 1.677, 122.964$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 1.616, 303.078$, and $49, 1.817, 303.154$ is the 20% darker color. If you saturate the color by 10%, you get $64, 11.542, 303.679$, and if you desaturate by 10%, it is $74, 7.809, 122.626$.

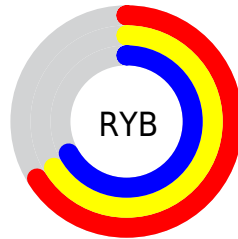
Distribution



Red (66%)

Green (66%)

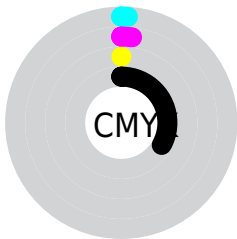
Blue (67%)



Red (66%)

Yellow (66%)

Blue (67%)

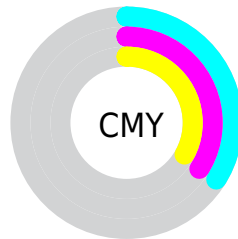


Cyan (1%)

Magenta (2%)

Yellow (0%)

Black (33%)



Cyan (34%)

Magenta (34%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 1.701, 303.109 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 69, 1.701, 303.109 by changing the saturation by 10% instead.

■ 69, 1.701, 303.109

■ 69, 1.701, 303.109

100, 1.701,
303.109

■ 59, 1.701, 303.109

■ 89, 1.701, 303.109

■ 49, 1.701, 303.109

■ 99, 1.701, 303.109

■ 39, 1.701, 303.109

■ 29, 1.701, 303.109

■ 19, 1.701, 303.109

■ 9, 1.701, 303.109

■ 0, 1.701, 303.109

■ 69, 1.701, 303.109

■ 69, 1.701, 303.109

■ 64, 11.542,

■ 74, 7.809, 122.626

303.679

80, 16.995,
122.189

58, 21.723,
304.323

85, 25.875,
121.812

53, 32.229,
305.038

91, 34.465,
121.487

47, 43.012,
305.819

96, 42.783,
121.207

42, 53.956,
306.643

97, 42.684,
116.126

37, 64.829,
307.465

98, 42.161,
110.252

32, 75.199,
308.205

98, 42.081,
106.964

28, 84.362,
308.739

25, 91.376,
308.906

Harmonies

Complementary

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



69, 1.701, 303.109



70, 1.677, 122.964

Rectangle

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



69, 1.701, 303.109



69, 1.701, 353.109



69, 1.701, 123.109



69, 1.701, 173.109

Sweetspot

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



69, 1.699, 303.085



88, 1.201, 303.023



69, 0.924, 234.231



47, 0.689, 303.017



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



69, 1.699, 303.085



87, 2.396, 303.104



69, 1.901, 319.285



36, 1.110, 303.093



20, 86.926, 308.933



1, 11.571, 300.719

Inverse Universe

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



69, 1.590, 335.563



87, 2.242, 335.610



70, 1.884, 139.331



36, 1.039, 335.582



33, 61.230, 346.956



2, 10.230, 339.865

Previews

White Background



This preview shows how the CIELCh color 69, 1.701, 303.109 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 69, 1.701, 303.109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

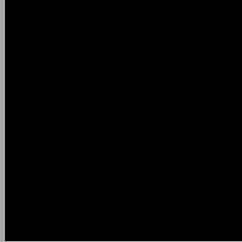
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

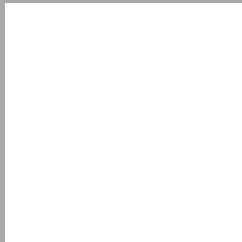
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 1.701, 303.109

Background



This preview shows how black text looks on a background with the CIELCh color 69, 1.701, 303.109.

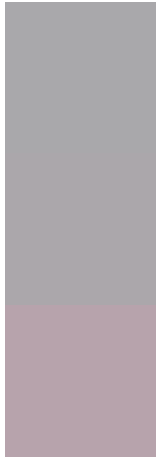


This preview shows how white text looks on a background with the CIELCh color 69, 1.701, 303.109.

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


69, 1.701, 303.109

Protanopia

69, 2.684, 324.483

Deuteranopia

69, 9.084, 347.346



Tritanopia
69, 7.249, 299.645

Trichromacy



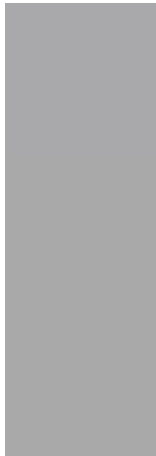
Original Color
69, 1.701, 303.109

Protanomaly
69, 2.489, 317.323

Deuteranomaly
69, 6.268, 342.154

Tritanomaly
69, 5.627, 302.117

Monochromacy



Original Color
69, 1.701, 303.109

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 0.556, 290.335

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 1.701, 303.109 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, 168, 171)` looks like.

```
.text, #text, p{  
    color:rgb(169, 168, 171)  
}
```

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, 168, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 168, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 1.701, 303.109 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, 168, 171) }
```

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

```
.border{ border-color:rgb(169, 168, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 168, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 168, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 168, 171);  
box-shadow:4px 4px 4px 4px rgb(169, 168,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 1.701, 303.109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 168, 171) }
```

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

```
.background{ background-color: rgb(169,  
168, 171) }
```

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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