

Converting Colors

CIELCh(68, 3.063, 289.174)

Have a look what the booklet for
CIELCh(68, 3.063, 289.174) contains.

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Color

CIELCh(68, 3.311, 290.533)

Conversions

Conversions Part 1

Format	Color
Hex	A5A5AB
RGB	165, 165, 171
RGB Percent	65%, 65%, 67%
CMY	0.3520, 0.3520, 0.3285
CMYK	0.04, 0.04, 0.00, 0.33
HSL	240°, 3%, 66%
HSV	240°, 4%, 67%
XYZ	36.4397, 37.9720, 44.0579
YIQ	165.6840, -1.9260, 1.8660

Conversions

Conversions Part 2

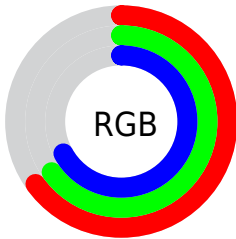
Format	Color
RYB	165, 165, 171
Decimal	10855851
CIELab	68.00, 1.16, -3.10
CIELCh	68, 3.311, 290.533
Yxy	37.9720, 0.3076, 0.3205
Android (android.graphics.Color)	4289045931 (0xFFA5A5AB)
YUV	165.6840, 2.6208, -0.5999
Hunter-Lab	61.6215, -2.2821, 0.7441

Details

The CIELCh color **68, 3.311, 290.533** is a light color, and the websafe version is hex **999999**. A complement of this color would be **70, 3.269, 109.813**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 3.141, 290.459**, and **48, 3.544, 290.666** is the 20% darker color. If you saturate the color by 10%, you get **62, 12.984, 291.580**, and if you desaturate by 10%, it is **74, 5.994, 109.572**.

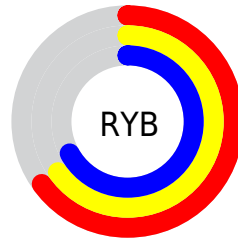
Distribution



Red (65%)

Green (65%)

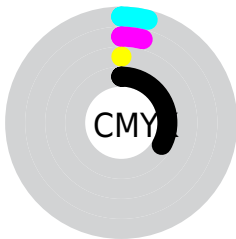
Blue (67%)



Red (65%)

Yellow (65%)

Blue (67%)

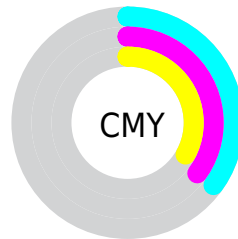


Cyan (4%)

Magenta (4%)

Yellow (0%)

Black (33%)



Cyan (35%)

Magenta (35%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 3.311, 290.533 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, 3.311, 290.533 by changing the saturation by 10% instead.

■ 68, 3.311, 290.533

■ 68, 3.311, 290.533

100, 3.311,
290.533

■ 58, 3.311, 290.533

■ 88, 3.311, 290.533

■ 48, 3.311, 290.533

■ 98, 3.311, 290.533

■ 38, 3.311, 290.533

■ 28, 3.311, 290.533

■ 18, 3.311, 290.533

■ 8, 3.311, 290.533

■ 0, 3.311, 290.533

■ 68, 3.311, 290.533

■ 68, 3.311, 290.533

■ 62, 12.984,

■ 74, 5.994, 109.572

291.580

80, 14.953,
108.798

56, 23.061,
292.847

86, 23.593,
108.132

50, 33.569,
294.335

91, 31.937,
107.560

44, 44.522,
296.064

97, 40.003,
107.066

38, 55.881,
298.030

98, 41.929,
106.976

33, 67.470,
300.175

28, 78.793,
302.350

24, 88.805,
304.288

21, 95.947,
305.655

Harmonies

Complementary

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



68, 3.311, 290.533



70, 3.269, 109.813

Rectangle

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



68, 3.311, 290.533



68, 3.311, 340.533



68, 3.311, 110.533



68, 3.311, 160.533

Sweetspot

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



68, 3.309, 290.515



88, 1.168, 290.316



70, 2.239, 198.030



47, 0.669, 290.314



95, 0.011, 296.813



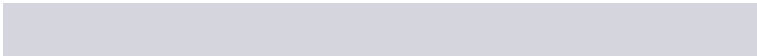
47, 0.006, 296.813

Same Dimension

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



68, 3.309, 290.515



85, 4.667, 290.569



68, 3.497, 308.608



35, 2.705, 290.626



17, 90.249, 306.280



1, 11.343, 290.163

Inverse Universe

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



68, 2.287, 19.361



86, 3.230, 19.426



70, 3.465, 128.362



35, 1.875, 19.485



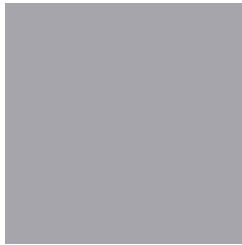
31, 69.966, 39.429



2, 7.802, 19.374

Previews

White Background



This preview shows how the CIELCh color 68, 3.311, 290.533 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, 3.311, 290.533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

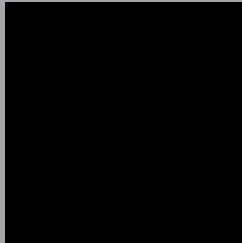
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

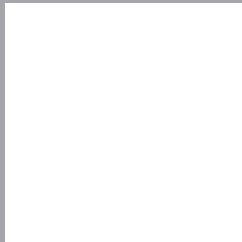
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 3.311, 290.533

Background



This preview shows how black text looks on a background with the CIELCh color 68, 3.311, 290.533.



This preview shows how white text looks on a background with the CIELCh color 68, 3.311, 290.533.

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, 3.311, 290.533

Protanopia

68, 3.404, 303.219

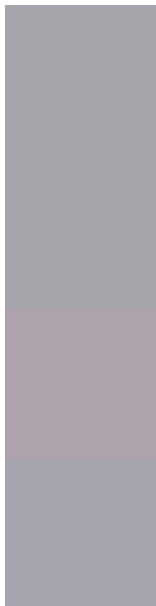
Deuteranopia

68, 9.145, 338.825



Tritanopia
68, 7.221, 296.763

Trichromacy



Original Color
68, 3.311, 290.533

Protanomaly
68, 3.338, 296.956

Deuteranomaly
68, 6.494, 330.239

Tritanomaly
68, 6.126, 297.737

Monochromacy



Original Color
68, 3.311, 290.533

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 1.108, 290.341

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 3.311, 290.533 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(165, 165, 171)` looks like.

```
.text, #text, p{  
    color:rgb(165, 165, 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(165, 165, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 165, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 3.311, 290.533 is called "border". The border property can be set on classes, ids or directly on the HTML element.

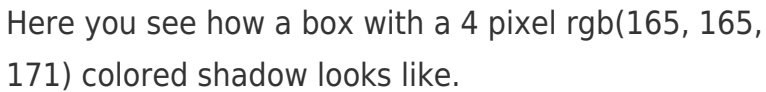
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 165, 171) }
```

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

```
.border{ border-color:rgb(165, 165, 171) }
```

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



Here you see how a box with a 4 pixel `rgb(165, 165, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 165, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 165, 171); box-shadow:4px 4px 4px 4px rgb(165, 165, 171) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 3.311, 290.533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 165, 171) }
```

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

```
.background{ background-color: rgb(165,  
165, 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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