

Converting Colors

CIELCh(68, 6.976, 289.023)

Have a look what the booklet for
CIELCh(68, 6.976, 289.023) contains.

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Color

CIELCh(68, 7.169, 287.990)

Conversions

Conversions Part 1

Format	Color
Hex	A4A5B2
RGB	164, 165, 178
RGB Percent	64%, 65%, 70%
CMY	0.3572, 0.3533, 0.3023
CMYK	0.08, 0.07, 0.00, 0.30
HSL	236°, 8%, 67%
HSV	236°, 8%, 70%
XYZ	36.7575, 37.9720, 47.4639
YIQ	166.1830, -4.7690, 3.8310

Conversions

Conversions Part 2

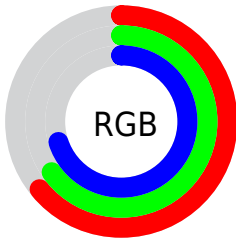
Format	Color
RYB	164, 165, 178
Decimal	10790322
CIELab	68.00, 2.21, -6.82
CIELCh	68, 7.169, 287.990
Yxy	37.9720, 0.3008, 0.3108
Android (android.graphics.Color)	4288980402 (0xFFA4A5B2)
YUV	166.1830, 5.8258, -1.9145
Hunter-Lab	61.6215, -1.3615, -2.5331

Details

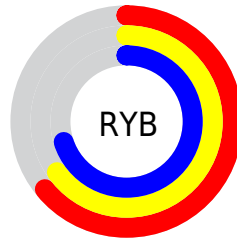
The CIELCh color **68, 7.169, 287.990** is a light color, and the websafe version is hex **999999**. A complement of this color would be **72, 7.052, 106.340**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 7.319, 288.057**, and **48, 7.086, 287.994** is the 20% darker color. If you saturate the color by 10%, you get **62, 16.570, 289.192**, and if you desaturate by 10%, it is **74, 1.897, 106.887**.

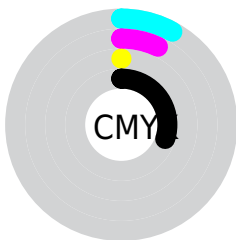
Distribution



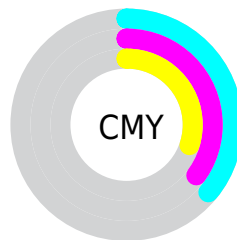
- Red (64%)
- Green (65%)
- Blue (70%)



- Red (64%)
- Yellow (65%)
- Blue (70%)



- Cyan (8%)
- Magenta (7%)
- Yellow (0%)
- Black (30%)



- Cyan (36%)
- Magenta (35%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 7.169, 287.990 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, 7.169, 287.990 by changing the saturation by 10% instead.

■ 68, 7.169, 287.990

■ 68, 7.169, 287.990

■ 100, 7.169,
287.990

■ 58, 7.169, 287.990

■ 88, 7.169, 287.990

■ 48, 7.169, 287.990

■ 98, 7.169, 287.990

■ 38, 7.169, 287.990

■ 28, 7.169, 287.990

■ 18, 7.169, 287.990

■ 8, 7.169, 287.990

■ 0, 7.169, 287.990

■ 68, 7.169, 287.990

■ 68, 7.169, 287.990

■ 62, 16.570,

■ 74, 1.897, 106.887

289.192

79, 10.647,
106.036

56, 26.341,
290.618

85, 19.105,
105.276

51, 36.508,
292.286

91, 27.290,
104.617

45, 47.088,
294.219

96, 35.219,
104.045

39, 58.056,
296.409

98, 38.671,
107.228

34, 69.260,
298.798

29, 80.272,
301.234

25, 90.183,
303.460

22, 97.646,
305.137

Harmonies

Complementary

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



68, 7.169, 287.990



72, 7.052, 106.340

Rectangle

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



68, 7.169, 287.990



68, 7.169, 337.990



68, 7.169, 107.990



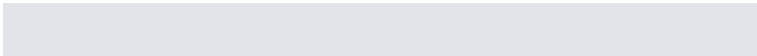
68, 7.169, 157.990

Sweetspot

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



68, 7.167, 287.982



91, 2.245, 287.391



71, 5.197, 192.028



49, 1.287, 287.383



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



68, 7.167, 287.982



86, 10.197, 288.126



68, 8.042, 306.476



35, 5.186, 288.145



18, 87.905, 305.210



1, 12.584, 287.872

Inverse Universe

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



69, 5.408, 13.984



86, 7.711, 14.104



72, 7.932, 125.745



35, 3.922, 14.120



31, 68.317, 36.575



2, 9.195, 14.812

Previews

White Background



This preview shows how the CIELCh color 68, 7.169, 287.990 looks on a white background.

Color Contrast Check

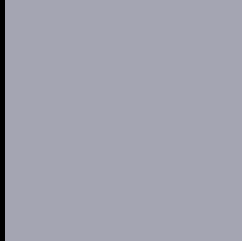
Large Text (above 18pt) WCAG AA × Fail

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, 7.169, 287.990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

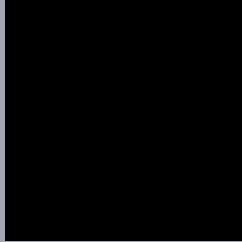
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

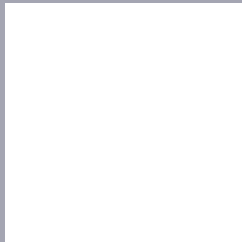
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 7.169, 287.990

Background



This preview shows how black text looks on a background with the CIELCh color 68, 7.169, 287.990.

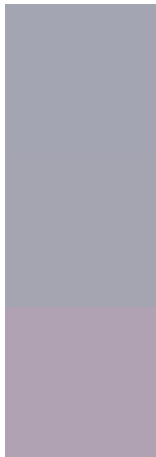


This preview shows how white text looks on a background with the CIELCh color 68, 7.169, 287.990.

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, 7.169, 287.990

Protanopia

68, 7.166, 290.915

Deuteranopia

68, 11.433, 320.232



Tritanopia
68, 7.169, 287.990

Trichromacy



Original Color
68, 7.169, 287.990

Protanomaly
68, 7.166, 290.915

Deuteranomaly
68, 10.127, 312.471

Tritanomaly
68, 7.169, 287.990

Monochromacy



Original Color
68, 7.169, 287.990

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 2.234, 280.793

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 7.169, 287.990 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(164, 165, 178)` looks like.

```
.text, #text, p{  
    color:rgb(164, 165, 178)  
}
```

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(164, 165, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 165, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 7.169, 287.990 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(164, 165, 178) }
```

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

```
.border{ border-color:rgb(164, 165, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 165, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 165, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 165, 178);  
box-shadow:4px 4px 4px 4px rgb(164, 165,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 7.169, 287.990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 165, 178) }
```

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

```
.background{ background-color: rgb(164,  
165, 178) }
```

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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