

Converting Colors

CIELCh(68, 7.595, 319.087)

Have a look what the booklet for
CIELCh(68, 7.595, 319.087) contains.

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Color

CIELCh(68, 7.457, 317.558)

Conversions

Conversions Part 1

Format	Color
Hex	ACA3AF
RGB	172, 163, 175
RGB Percent	67%, 64%, 69%
CMY	0.3262, 0.3614, 0.3144
CMYK	0.02, 0.07, 0.00, 0.31
HSL	285°, 7%, 66%
HSV	285°, 7%, 69%
XYZ	37.7620, 37.9720, 45.8064
YIQ	167.0590, 1.5120, 5.6400

Conversions

Conversions Part 2

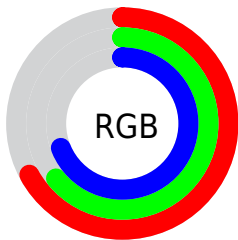
Format	Color
R_{YB}	172, 163, 175
Decimal	11314095
CIE Lab	68.00, 5.50, -5.03
CIE LCh	68, 7.457, 317.558
Yxy	37.9720, 0.3107, 0.3124
Android (android.graphics.Color)	4289504175 (0xFFACA3AF)
YUV	167.0590, 3.9149, 4.3333
Hunter-Lab	61.6215, 1.5485, -0.9383

Details

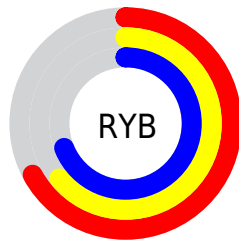
The CIELCh color **68, 7.457, 317.558** is a light color, and the websafe version is hex **999999**. A complement of this color would be **70, 7.411, 137.022**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 7.544, 315.697**, and **48, 7.972, 317.675** is the 20% darker color. If you saturate the color by 10%, you get **63, 18.486, 317.999**, and if you desaturate by 10%, it is **73, 3.359, 137.219**.

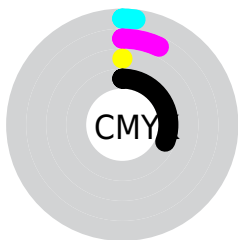
Distribution



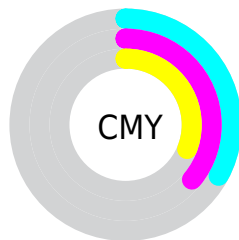
- Red (67%)
- Green (64%)
- Blue (69%)



- Red (67%)
- Yellow (64%)
- Blue (69%)



- Cyan (2%)
- Magenta (7%)
- Yellow (0%)
- Black (31%)



- Cyan (33%)
- Magenta (36%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 7.457, 317.558 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, 7.457, 317.558 by changing the saturation by 10% instead.

■ 68, 7.457, 317.558

■ 68, 7.457, 317.558

■ 100, 7.457,
317.558

■ 58, 7.457, 317.558

■ 88, 7.457, 317.558

■ 48, 7.457, 317.558

■ 98, 7.457, 317.558

■ 38, 7.457, 317.558

■ 28, 7.457, 317.558

■ 18, 7.457, 317.558

■ 8, 7.457, 317.558

■ 0, 7.457, 317.558

■ 68, 7.457, 317.558

■ 68, 7.457, 317.558

■ 63, 18.486,

■ 73, 3.359, 137.219

317.999

78, 13.907,
136.788

58, 29.647,
318.436

83, 24.164,
136.417

54, 40.791,
318.857

88, 34.124,
136.079

49, 51.696,
319.241

93, 43.789,
135.769

45, 62.034,
319.553

95, 45.810,
134.514

42, 71.368,
319.753

95, 45.071,
132.829

38, 79.177,
319.787

95, 44.368,
131.066

36, 84.955,
319.603

95, 43.704,
129.225

34, 88.484,
319.170

Harmonies

Complementary

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



68, 7.457, 317.558



70, 7.411, 137.022

Rectangle

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



68, 7.457, 317.558



68, 7.457, 7.558



68, 7.457, 137.558



68, 7.457, 187.558

Sweetspot

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



68, 7.455, 317.556



89, 2.679, 317.298



68, 4.968, 276.963



48, 1.536, 317.289



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, 7.455, 317.556



85, 10.760, 317.614



68, 6.823, 332.110



34, 6.124, 317.666



29, 80.021, 319.121



2, 12.547, 314.681

Inverse Universe

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



68, 4.884, 0.056



85, 7.062, 0.195



70, 6.798, 151.321



34, 4.026, 0.319



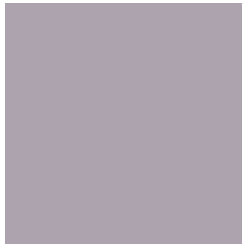
31, 60.345, 24.462



2, 8.167, 2.945

Previews

White Background



This preview shows how the CIELCh color 68, 7.457, 317.558 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, 7.457, 317.558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

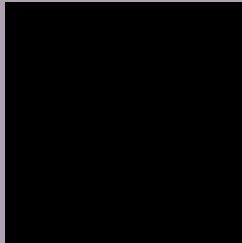
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

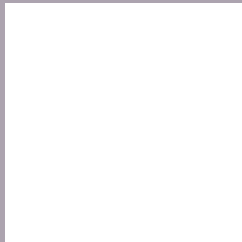
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 7.457, 317.558

Background



This preview shows how black text looks on a background with the CIELCh color 68, 7.457, 317.558.



This preview shows how white text looks on a background with the CIELCh color 68, 7.457, 317.558.

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, 7.457, 317.558

Protanopia

68, 6.081, 294.281

Deuteranopia

68, 9.818, 328.540



Tritanopia
68, 7.950, 315.772

Trichromacy



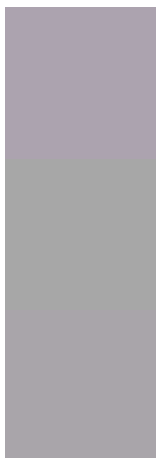
Original Color
68, 7.457, 317.558

Protanomaly
68, 6.804, 303.411

Deuteranomaly
68, 8.704, 324.816

Tritanomaly
68, 7.950, 315.772

Monochromacy



Original Color
68, 7.457, 317.558

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 3.159, 318.880

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 7.457, 317.558 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(172, 163, 175)` looks like.

```
.text, #text, p{  
    color:rgb(172, 163, 175)  
}
```

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(172, 163, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 163, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 7.457, 317.558 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(172, 163, 175) }
```

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

```
.border{ border-color:rgb(172, 163, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 163, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 163, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 163, 175);  
box-shadow:4px 4px 4px 4px rgb(172, 163,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 7.457, 317.558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 163, 175) }
```

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

```
.background{ background-color: rgb(172,  
163, 175) }
```

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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