

Converting Colors

CIELCh(68, 7.779, 312.770)

Have a look what the booklet for
CIELCh(68, 7.779, 312.770) contains.

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Color

CIELCh(68, 7.798, 313.278)

Conversions

Conversions Part 1

Format	Color
Hex	ABA3B0
RGB	171, 163, 176
RGB Percent	67%, 64%, 69%
CMY	0.3295, 0.3609, 0.3099
CMYK	0.03, 0.07, 0.00, 0.31
HSL	277°, 8%, 66%
HSV	277°, 7%, 69%
XYZ	37.7136, 37.9720, 46.4003
YIQ	166.8740, 0.5950, 5.7390

Conversions

Conversions Part 2

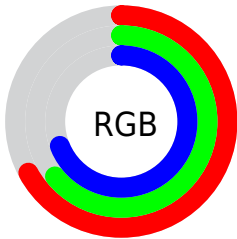
Format	Color
RYB	171, 163, 176
Decimal	11248560
CIELab	68.00, 5.35, -5.68
CIELCh	68, 7.798, 313.278
Yxy	37.9720, 0.3089, 0.3110
Android (android.graphics.Color)	4289438640 (0xFFABA3B0)
YUV	166.8740, 4.4991, 3.6185
Hunter-Lab	61.6215, 1.4082, -1.5098

Details

The CIELCh color $68, 7.798, 313.278$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $71, 7.727, 132.706$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 7.882, 311.758$, and $48, 8.340, 313.401$ is the 20% darker color. If you saturate the color by 10%, you get $63, 18.565, 313.716$, and if you desaturate by 10%, it is $73, 2.712, 132.942$.

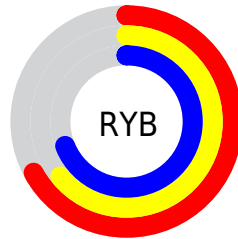
Distribution



Red (67%)

Green (64%)

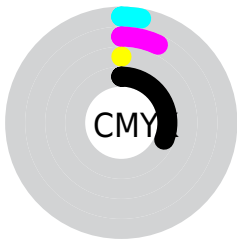
Blue (69%)



Red (67%)

Yellow (64%)

Blue (69%)

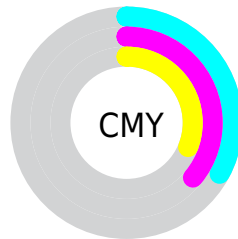


Cyan (3%)

Magenta (7%)

Yellow (0%)

Black (31%)



Cyan (33%)

Magenta (36%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 7.798, 313.278 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, 7.798, 313.278 by changing the saturation by 10% instead.

■ 68, 7.798, 313.278

■ 68, 7.798, 313.278

■ 100, 7.798,
313.278

■ 58, 7.798, 313.278

■ 88, 7.798, 313.278

■ 48, 7.798, 313.278

■ 98, 7.798, 313.278

■ 38, 7.798, 313.278

■ 28, 7.798, 313.278

■ 18, 7.798, 313.278

■ 8, 7.798, 313.278

■ 0, 7.798, 313.278

■ 68, 7.798, 313.278

■ 68, 7.798, 313.278

■ 63, 18.565,

■ 73, 2.712, 132.942

313.716

78, 12.931,
132.530

58, 29.537,
314.168

84, 22.851,
132.188

53, 40.605,
314.620

89, 32.476,
131.883

48, 51.591,
315.048

94, 41.813,
131.611

43, 62.207,
315.415

95, 43.119,
129.338

39, 72.032,
315.667

96, 42.180,
126.295

36, 80.504,
315.733

96, 41.365,
123.068

33, 87.000,
315.530

97, 40.690,
119.673

31, 91.184,
315.012

Harmonies

Complementary

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



68, 7.798, 313.278



71, 7.727, 132.706

Rectangle

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



68, 7.798, 313.278



68, 7.798, 3.278



68, 7.798, 133.278



68, 7.798, 183.278

Sweetspot

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



68, 7.796, 313.275



90, 2.609, 313.008



69, 4.662, 266.431



48, 1.482, 313.000



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, 7.796, 313.275



85, 11.815, 313.353



68, 8.116, 327.660



35, 6.062, 313.361



26, 83.061, 314.990



2, 14.153, 309.215

Inverse Universe

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



68, 5.681, 350.955



86, 8.616, 351.136



71, 8.097, 146.865



35, 4.421, 351.153



32, 57.990, 12.292



2, 10.023, 356.159

Previews

White Background



This preview shows how the CIELCh color 68, 7.798, 313.278 looks on a white background.

Color Contrast Check

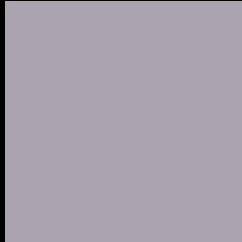
Large Text (above 18pt) WCAG AA × Fail

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, 7.798, 313.278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

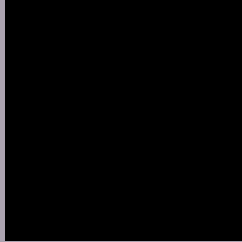
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

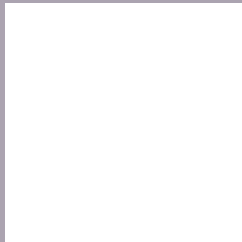
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 7.798, 313.278

Background



This preview shows how black text looks on a background with the CIELCh color 68, 7.798, 313.278.

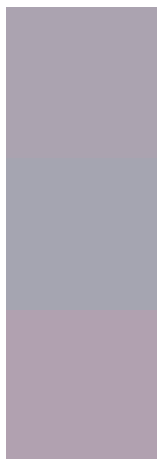


This preview shows how white text looks on a background with the CIELCh color 68, 7.798, 313.278.

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, 7.798, 313.278

Protanopia

68, 6.615, 290.860

Deuteranopia

68, 10.253, 326.644



Tritanopia
68, 7.798, 313.278

Trichromacy



Original Color
68, 7.798, 313.278

Protanomaly
68, 7.273, 299.653

Deuteranomaly
68, 9.161, 322.880

Tritanomaly
68, 7.798, 313.278

Monochromacy



Original Color
68, 7.798, 313.278

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 2.341, 309.124

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 7.798, 313.278 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(171, 163, 176)` looks like.

```
.text, #text, p{  
    color:rgb(171, 163, 176)  
}
```

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(171, 163, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 163, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 7.798, 313.278 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(171, 163, 176) }
```

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

```
.border{ border-color:rgb(171, 163, 176) }
```

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

Here you see how a box with a 4 pixel rgb(171, 163, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 163, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 163, 176);  
box-shadow:4px 4px 4px 4px rgb(171, 163,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 7.798, 313.278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 163, 176) }
```

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

```
.background{ background-color: rgb(171,  
163, 176) }
```

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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