

Converting Colors

CIELCh(72, 1.002, 319.132)

Have a look what the booklet for
CIELCh(72, 1.002, 319.132) contains.

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Color

CIELCh(72, 1.163, 309.023)

Conversions

Conversions Part 1

Format	Color
Hex	B1B0B2
RGB	177, 176, 178
RGB Percent	69%, 69%, 70%
CMY	0.3055, 0.3095, 0.3016
CMYK	0.01, 0.01, 0.00, 0.30
HSL	270°, 1%, 69%
HSV	270°, 1%, 70%
XYZ	41.7374, 43.6590, 48.3916
YIQ	176.5270, -0.0460, 0.8340

Conversions

Conversions Part 2

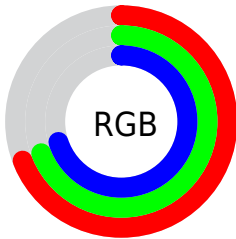
Format	Color
RYB	177, 176, 178
Decimal	11645106
CIELab	72.00, 0.73, -0.90
CIElCh	72, 1.163, 309.023
Yxy	43.6590, 0.3120, 0.3263
Android (android.graphics.Color)	4289835186 (0xFFB1B0B2)
YUV	176.5270, 0.7262, 0.4148
Hunter-Lab	66.0750, -2.8786, 2.8300

Details

The CIELCh color **72, 1.163, 309.023** is a light color, and the websafe version is hex **999999**. A complement of this color would be **72, 1.142, 129.088**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 1.107, 308.986**, and **52, 0.587, 290.329** is the 20% darker color. If you saturate the color by 10%, you get **67, 11.610, 309.527**, and if you desaturate by 10%, it is **77, 8.976, 128.697**.

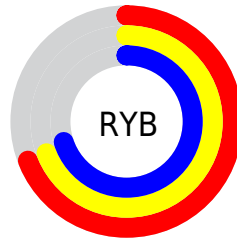
Distribution



Red (69%)

Green (69%)

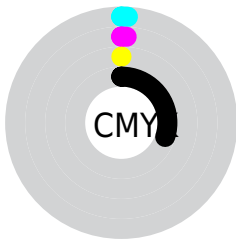
Blue (70%)



Red (69%)

Yellow (69%)

Blue (70%)

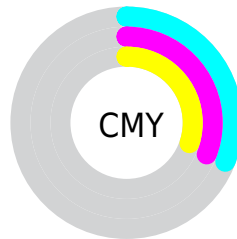


Cyan (1%)

Magenta (1%)

Yellow (0%)

Black (30%)



Cyan (31%)

Magenta (31%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 1.163, 309.023 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 72, 1.163, 309.023 by changing the saturation by 10% instead.

■ 72, 1.163, 309.023

■ 72, 1.163, 309.023

100, 1.163,
309.023

■ 62, 1.163, 309.023

■ 92, 1.163, 309.023

■ 52, 1.163, 309.023

■ 42, 1.163, 309.023

■ 32, 1.163, 309.023

■ 22, 1.163, 309.023

■ 12, 1.163, 309.023

■ 2, 1.163, 309.023

■ 0, 1.163, 309.023

■ 72, 1.163, 309.023

■ 72, 1.163, 309.023

67, 11.610,
309.527

77, 8.976, 128.697

61, 22.351,
310.020

83, 18.800,
128.331

56, 33.340,
310.543

88, 28.318,
128.011

51, 44.480,
311.082

93, 37.542,
127.731

46, 55.599,
311.610

96, 40.771,
125.212

41, 66.399,
312.081

97, 39.797,
120.726

36, 76.415,
312.426

97, 39.091,
115.962

33, 84.991,
312.548

98, 38.682,
110.986

30, 91.379,

98, 38.585,
107.234

Harmonies

Complementary

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



72, 1.163, 309.023



72, 1.142, 129.088

Rectangle

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



72, 1.163, 309.023



72, 1.163, 359.023



72, 1.163, 129.023



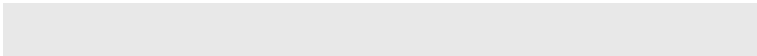
72, 1.163, 179.023

Sweetspot

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



72, 1.161, 308.996



92, 0.011, 296.813



72, 0.652, 254.258



49, 0.007, 296.813



96, 0.011, 296.813

Same Dimension

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



72, 1.161, 308.996



91, 1.285, 308.982



72, 1.325, 323.883



38, 0.588, 308.969



23, 85.104, 312.045



1, 13.839, 305.207

Inverse Universe

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



72, 0.935, 343.301



91, 1.035, 343.252



72, 1.310, 144.117



38, 0.474, 343.206



32, 57.958, 1.242



2, 10.610, 349.818

Previews

White Background



This preview shows how the CIELCh color 72, 1.163, 309.023 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 72, 1.163, 309.023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

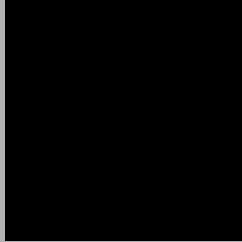
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

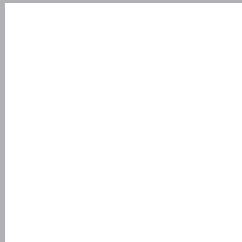
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 1.163, 309.023

Background



This preview shows how black text looks on a background with the CIELCh color 72, 1.163, 309.023.

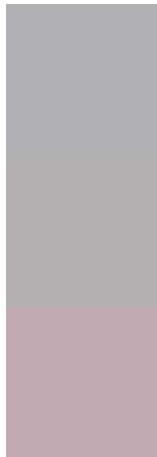


This preview shows how white text looks on a background with the CIELCh color 72, 1.163, 309.023.

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

72, 1.163, 309.023

Protanopia

72, 1.578, 335.577

Deuteranopia

72, 9.065, 351.561



Tritanopia
72, 7.255, 302.479

Trichromacy



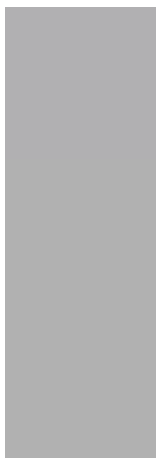
Original Color
72, 1.163, 309.023

Protanomaly
72, 1.335, 324.326

Deuteranomaly
72, 6.218, 348.276

Tritanomaly
72, 5.047, 303.301

Monochromacy



Original Color
72, 1.163, 309.023

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 0.009, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 1.163, 309.023 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(177, 176, 178)` looks like.

```
.text, #text, p{  
    color:rgb(177, 176, 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(177, 176, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 176, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 1.163, 309.023 is called "border". The border property can be set on classes, ids or directly on the HTML element.

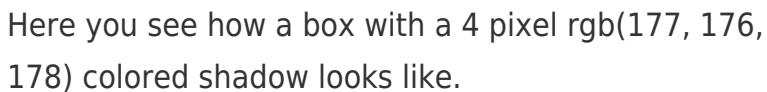
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 176, 178) }
```

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

```
.border{ border-color:rgb(177, 176, 178) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 176, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 176, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 176, 178);  
box-shadow:4px 4px 4px 4px rgb(177, 176,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 1.163, 309.023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 176, 178) }
```

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

```
.background{ background-color: rgb(177,  
176, 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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