

Converting Colors

CIELCh(72, 1.237, 97.223)

Have a look what the booklet for
CIELCh(72, 1.237, 97.223) contains.

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Color

CIELCh(72, 1.138, 90.728)

Conversions

Conversions Part 1

Format	Color
Hex	B1B0AE
RGB	177, 176, 174
RGB Percent	69%, 69%, 68%
CMY	0.3044, 0.3083, 0.3162
CMYK	0.00, 0.01, 0.02, 0.30
HSL	40°, 2%, 69%
HSV	40°, 2%, 70%
XYZ	41.4918, 43.6590, 46.4757
YIQ	176.0710, 1.2380, -0.4100

Conversions

Conversions Part 2

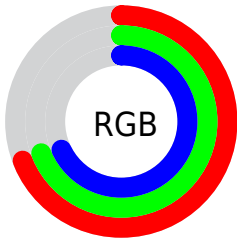
Format	Color
RYB	176, 177, 174
Decimal	11645102
CIELab	72.00, -0.01, 1.14
CIElCh	72, 1.138, 90.728
Yxy	43.6590, 0.3152, 0.3317
Android (android.graphics.Color)	4289835182 (0xFFB1B0AE)
YUV	176.0710, -1.0210, 0.8147
Hunter-Lab	66.0750, -3.5420, 4.5492

Details

The CIELCh color **72, 1.138, 90.728** is a light color, and the websafe version is hex **999999**. A complement of this color would be **72, 1.155, 271.604**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 1.575, 96.899**, and **52, 1.153, 109.992** is the 20% darker color. If you saturate the color by 10%, you get **70, 8.005, 89.746**, and if you desaturate by 10%, it is **74, 5.584, 272.230**.

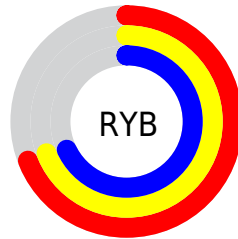
Distribution



Red (69%)

Green (69%)

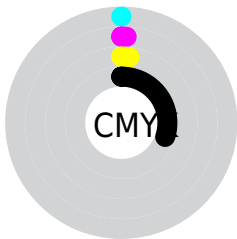
Blue (68%)



Red (69%)

Yellow (69%)

Blue (68%)

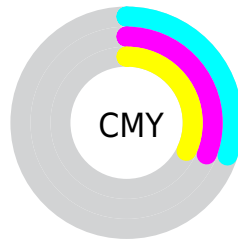


Cyan (0%)

Magenta (1%)

Yellow (2%)

Black (30%)



Cyan (30%)

Magenta (31%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 1.138, 90.728 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, 1.138, 90.728 by changing the saturation by 10% instead.

■ 72, 1.138, 90.728

■ 72, 1.138, 90.728

100, 1.138, 90.728

■ 62, 1.138, 90.728

■ 92, 1.138, 90.728

■ 52, 1.138, 90.728

■ 42, 1.138, 90.728

■ 32, 1.138, 90.728

■ 22, 1.138, 90.728

■ 12, 1.138, 90.728

■ 2, 1.138, 90.728

■ 0, 1.138, 90.728

■ 72, 1.138, 90.728

■ 72, 1.138, 90.728

70, 8.005, 89.746

74, 5.584, 272.230

68, 15.014, 88.484

76, 12.171,
273.345

66, 22.153, 87.173

78, 18.630,
274.423

64, 29.386, 85.822

62, 36.635, 84.429

80, 24.971,
275.452

61, 43.749, 82.980

82, 27.210,
273.219

59, 50.446, 81.442

57, 56.252, 79.738

84, 24.878,
266.300

56, 60.492, 77.727

85, 22.969,
258.177

87, 21.581,
248.892

88, 20.807,
238.723

Harmonies

Complementary

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



72, 1.138, 90.728



72, 1.155, 271.604

Rectangle

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



72, 1.138, 90.728



72, 1.138, 140.728



72, 1.138, 270.728



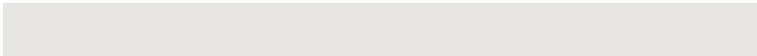
72, 1.138, 320.728

Sweetspot

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



72, 1.139, 90.813



91, 0.826, 90.765



71, 1.261, 353.506



48, 0.469, 90.752



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



72, 1.139, 90.813



91, 1.663, 90.804



72, 1.633, 116.586



38, 0.767, 90.810



47, 56.390, 76.195



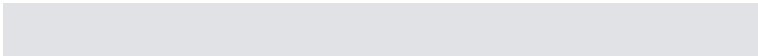
6, 8.430, 81.662

Inverse Universe

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



72, 1.155, 271.604



90, 1.682, 271.614



71, 1.657, 296.825



37, 0.777, 271.607



26, 65.893, 296.114



2, 10.143, 276.790

Previews

White Background



This preview shows how the CIELCh color 72, 1.138, 90.728 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, 1.138, 90.728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

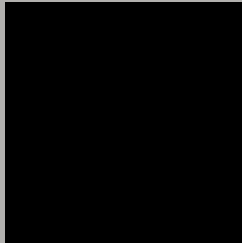
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

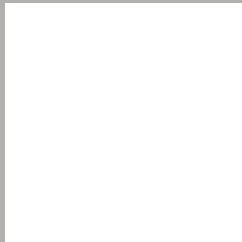
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 1.138, 90.728

Background



This preview shows how black text looks on a background with the CIELCh color 72, 1.138, 90.728.

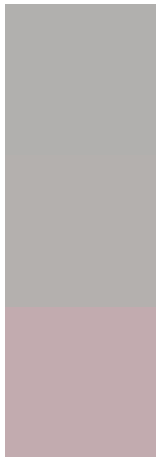


This preview shows how white text looks on a background with the CIELCh color 72, 1.138, 90.728.

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, 1.138, 90.728

Protanopia

72, 1.846, 55.193

Deuteranopia

72, 9.045, 6.310



Tritanopia
72, 7.878, 304.316

Trichromacy



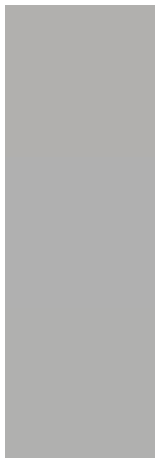
Original Color
72, 1.138, 90.728

Protanomaly
72, 1.555, 63.354

Deuteranomaly
72, 5.804, 9.064

Tritanomaly
72, 4.517, 304.792

Monochromacy



Original Color
72, 1.138, 90.728

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 0.535, 110.016

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 1.138, 90.728 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, 174)` looks like.

```
.text, #text, p{  
    color:rgb(177, 176, 174)  
}
```

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, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 176, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 1.138, 90.728 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, 174) }
```

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

```
.border{ border-color:rgb(177, 176, 174) }
```

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, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 176, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 176, 174);  
box-shadow:4px 4px 4px 4px rgb(177, 176,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 1.138, 90.728 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, 174) }
```

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

```
.background{ background-color: rgb(177,  
176, 174) }
```

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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