

Converting Colors

CIELCh(72, 2.875, 119.223)

Have a look what the booklet for
CIELCh(72, 2.875, 119.223) contains.

CIELCh(72, 2.738, 117.811)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(72, 2.738, 117.811)

Conversions

Conversions Part 1

Format	Color
Hex	B0B1AC
RGB	176, 177, 172
RGB Percent	69%, 69%, 67%
CMY	0.3098, 0.3058, 0.3254
CMYK	0.01, 0.00, 0.03, 0.31
HSL	72°, 3%, 68%
HSV	72°, 3%, 69%
XYZ	41.0788, 43.6590, 45.2971
YIQ	176.1310, 1.0090, -1.7670

Conversions

Conversions Part 2

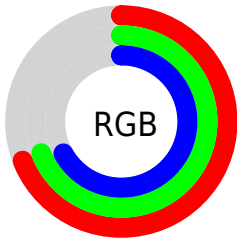
Format	Color
RYB	172, 177, 173
Decimal	11579820
CIELab	72.00, -1.28, 2.42
CIELCh	72, 2.738, 117.811
Yxy	43.6590, 0.3159, 0.3357
Android (android.graphics.Color)	4289769900 (0xFFB0B1AC)
YUV	176.1310, -2.0366, -0.1149
Hunter-Lab	66.0750, -4.6579, 5.6068

Details

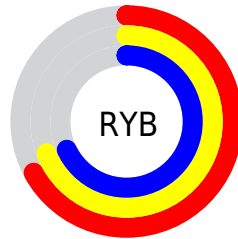
The CIELCh color **72, 2.738, 117.811** is a light color, and the websafe version is hex **999999**. A complement of this color would be **71, 2.772, 298.199**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 3.110, 116.521**, and **52, 2.312, 109.864** is the 20% darker color. If you saturate the color by 10%, you get **71, 12.448, 117.157**, and if you desaturate by 10%, it is **73, 6.984, 298.475**.

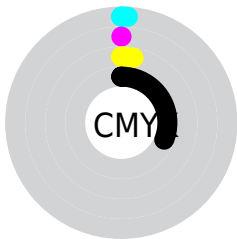
Distribution



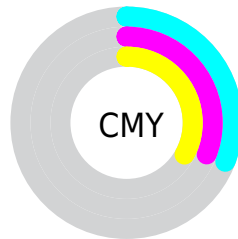
- Red (69%)
- Green (69%)
- Blue (67%)



- Red (67%)
- Yellow (69%)
- Blue (68%)



- Cyan (1%)
- Magenta (0%)
- Yellow (3%)
- Black (31%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 2.738, 117.811 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, 2.738, 117.811 by changing the saturation by 10% instead.

■ 72, 2.738, 117.811

■ 72, 2.738, 117.811

■ 100, 2.738,
117.811

■ 62, 2.738, 117.811

■ 92, 2.738, 117.811

■ 52, 2.738, 117.811

■ 42, 2.738, 117.811

■ 32, 2.738, 117.811

■ 22, 2.738, 117.811

■ 12, 2.738, 117.811

■ 2, 2.738, 117.811

■ 0, 2.738, 117.811

■ 72, 2.738, 117.811

■ 72, 2.738, 117.811

71, 12.448,
117.157

73, 6.984, 298.475

71, 22.087,
116.474

74, 16.686,
299.096

70, 31.578,
115.796

74, 26.338,
299.684

70, 40.806,
115.150

75, 35.921,
300.235

69, 49.593,
114.572

76, 42.507,
301.067

69, 57.681,
114.115

76, 42.652,
302.586

68, 64.706,
113.852

77, 42.824,
304.108

68, 70.233,
113.871

77, 43.024,
305.630

68, 73.888,

77, 43.251,
307.150

Harmonies

Complementary

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



72, 2.738, 117.811



71, 2.772, 298.199

Rectangle

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



72, 2.738, 117.811



72, 2.738, 167.811



72, 2.738, 297.811



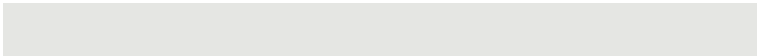
72, 2.738, 347.811

Sweetspot

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



72, 2.740, 117.831



91, 1.190, 117.958



71, 1.600, 39.110



48, 0.676, 117.962



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, 2.740, 117.831



91, 3.592, 117.816



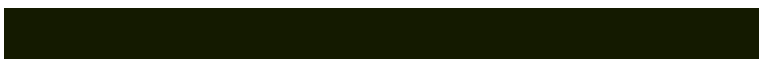
72, 3.029, 135.673



38, 2.212, 117.770



59, 67.884, 114.575



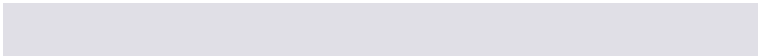
8, 13.598, 121.155

Inverse Universe

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



71, 2.772, 298.199



89, 3.635, 298.215



71, 3.051, 315.795



37, 2.239, 298.262



18, 89.877, 307.363



1, 13.411, 296.246

Previews

White Background



This preview shows how the CIELCh color 72, 2.738, 117.811 looks on a white background.

Color Contrast Check

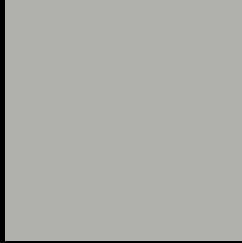
Large Text (above 18pt) WCAG AA × Fail

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, 2.738, 117.811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

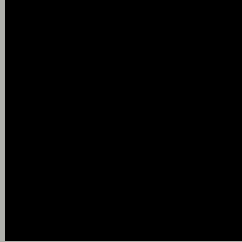
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

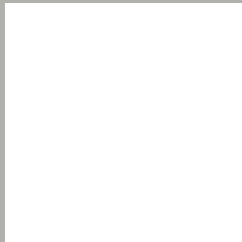
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 2.738, 117.811

Background



This preview shows how black text looks on a background with the CIELCh color 72, 2.738, 117.811.



This preview shows how white text looks on a background with the CIELCh color 72, 2.738, 117.811.

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, 2.738, 117.811

Protanopia

72, 3.295, 74.655

Deuteranopia

72, 8.881, 13.137



Tritanopia
72, 7.187, 299.625

Trichromacy



Original Color
72, 2.738, 117.811

Protanomaly
72, 2.928, 87.013

Deuteranomaly
72, 5.332, 19.769

Tritanomaly
72, 3.299, 296.942

Monochromacy



Original Color
72, 2.738, 117.811

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, 2.738, 117.811 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(176, 177, 172)` looks like.

```
.text, #text, p{  
    color:rgb(176, 177, 172)  
}
```

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(176, 177, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 177, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 2.738, 117.811 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(176, 177, 172) }
```

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

```
.border{ border-color:rgb(176, 177, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 177, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 177, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 177, 172);  
box-shadow:4px 4px 4px 4px rgb(176, 177,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 2.738, 117.811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 177, 172) }
```

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

```
.background{ background-color: rgb(176,  
177, 172) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor