

Converting Colors

CIELCh(72, 2.210, 198.583)

Have a look what the booklet for
CIELCh(72, 2.210, 198.583) contains.

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Color

CIELCh(72, 2.222, 199.448)

Conversions

Conversions Part 1

Format	Color
Hex	ACB2B2
RGB	172, 178, 178
RGB Percent	67%, 70%, 70%
CMY	0.3267, 0.3031, 0.3031
CMYK	0.03, 0.00, 0.00, 0.30
HSL	180°, 4%, 69%
HSV	180°, 3%, 70%
XYZ	40.8127, 43.6590, 48.2360
YIQ	176.2060, -3.5760, -1.2720

Conversions

Conversions Part 2

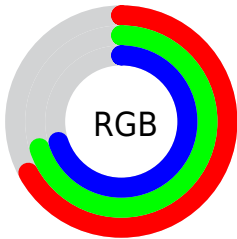
Format	Color
RYB	172, 175, 178
Decimal	11317938
CIELab	72.00, -2.10, -0.74
CIELCh	72, 2.222, 199.448
Yxy	43.6590, 0.3075, 0.3290
Android (android.graphics.Color)	4289508018 (0xFFACB2B2)
YUV	176.2060, 0.8844, -3.6887
Hunter-Lab	66.0750, -5.3766, 2.9696

Details

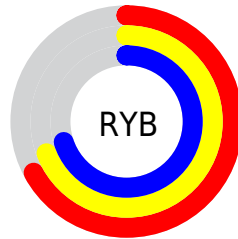
The CIELCh color **72, 2.222, 199.448** is a light color, and the websafe version is hex **999999**. A complement of this color would be **71, 2.271, 19.344**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 2.465, 199.490**, and **52, 1.973, 199.391** is the 20% darker color. If you saturate the color by 10%, you get **71, 8.594, 198.711**, and if you desaturate by 10%, it is **73, 4.449, 19.626**.

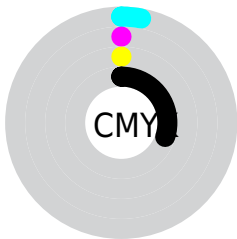
Distribution



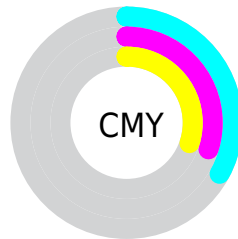
- Red (67%)
- Green (70%)
- Blue (70%)



- Red (67%)
- Yellow (69%)
- Blue (70%)



- Cyan (3%)
- Magenta (0%)
- Yellow (0%)
- Black (30%)



- Cyan (33%)
- Magenta (30%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 2.222, 199.448 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, 2.222, 199.448 by changing the saturation by 10% instead.

■ 72, 2.222, 199.448

■ 72, 2.222, 199.448

■ 100, 2.222,
199.448

■ 62, 2.222, 199.448

■ 92, 2.222, 199.448

■ 52, 2.222, 199.448

■ 42, 2.222, 199.448

■ 32, 2.222, 199.448

■ 22, 2.222, 199.448

■ 12, 2.222, 199.448

■ 2, 2.222, 199.448

■ 0, 2.222, 199.448

■ 72, 2.222, 199.448

■ 72, 2.222, 199.448

71, 8.594, 198.711

73, 4.449, 19.626

70, 14.567,
198.200

75, 11.336, 20.279

69, 20.038,
197.751

77, 18.365, 20.899

68, 24.903,
197.361

78, 25.474, 21.521

67, 29.068,
197.033

80, 30.384, 21.939

67, 32.461,
196.768

80, 30.383, 21.931

66, 35.041,
196.567

80, 30.382, 21.914

66, 36.810,
196.429

66, 37.825,
196.347

Harmonies

Complementary

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



72, 2.222, 199.448



71, 2.271, 19.344

Rectangle

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



72, 2.222, 199.448



72, 2.222, 249.448



72, 2.222, 19.448



72, 2.222, 69.448

Sweetspot

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



72, 2.223, 199.407



92, 0.821, 200.060



72, 3.961, 143.875



49, 0.471, 200.105



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



72, 2.223, 199.407



91, 3.266, 199.331



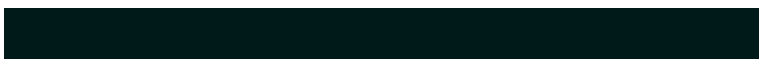
71, 1.945, 254.175



38, 1.866, 199.275



57, 34.238, 196.313



7, 9.138, 199.043

Inverse Universe

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



71, 2.271, 19.344



89, 3.350, 19.424



71, 1.950, 73.018



36, 1.920, 19.484



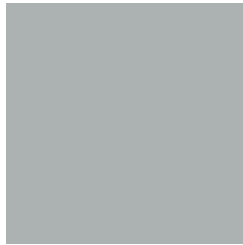
31, 70.912, 39.507



2, 9.156, 19.374

Previews

White Background



This preview shows how the CIELCh color 72, 2.222, 199.448 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, 2.222, 199.448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

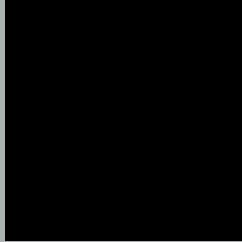
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

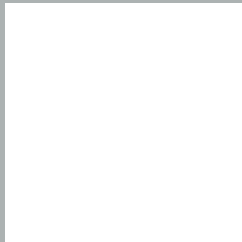
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 2.222, 199.448

Background



This preview shows how black text looks on a background with the CIELCh color 72, 2.222, 199.448.



This preview shows how white text looks on a background with the CIELCh color 72, 2.222, 199.448.

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, 2.222, 199.448

Protanopia

72, 1.606, 359.437

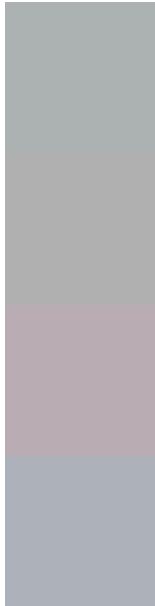
Deuteranopia

72, 9.065, 351.561



Tritanopia
72, 7.648, 285.510

Trichromacy



Original Color
72, 2.222, 199.448

Protanomaly
72, 0.553, 290.337

Deuteranomaly
72, 5.590, 344.112

Tritanomaly
72, 5.088, 274.036

Monochromacy



Original Color
72, 2.222, 199.448

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 1.116, 199.764

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 2.222, 199.448 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, 178, 178)` looks like.

```
.text, #text, p{  
    color:rgb(172, 178, 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(172, 178, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 178, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 2.222, 199.448 is called "border". The border property can be set on classes, ids or directly on the HTML element.

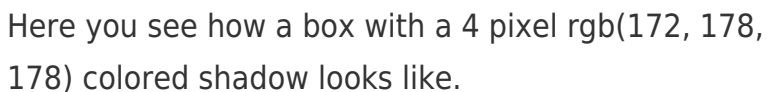
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(172, 178, 178) }
```

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

```
.border{ border-color:rgb(172, 178, 178) }
```

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



Here you see how a box with a 4 pixel `rgb(172, 178, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 178, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 178, 178); box-shadow:4px 4px 4px 4px rgb(172, 178, 178) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 2.222, 199.448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 178, 178) }
```

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

```
.background{ background-color: rgb(172,  
178, 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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