

Converting Colors

CIELCh(70, 2.935, 6.629)

Have a look what the booklet for
CIELCh(70, 2.935, 6.629) contains.

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Color

CIELCh(70, 3.233, 359.790)

Conversions

Conversions Part 1

Format	Color
Hex	B1A9AB
RGB	177, 169, 171
RGB Percent	69%, 66%, 67%
CMY	0.3052, 0.3366, 0.3288
CMYK	0.00, 0.05, 0.03, 0.31
HSL	345°, 5%, 68%
HSV	345°, 5%, 69%
XYZ	39.7533, 40.7494, 44.3798
YIQ	171.6200, 4.1260, 2.3180

Conversions

Conversions Part 2

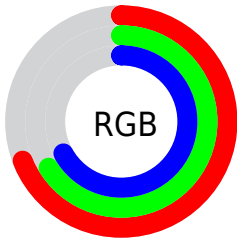
Format	Color
RYB	177, 169, 171
Decimal	11643307
CIELab	70.00, 3.23, -0.01
CIELCh	70, 3.233, 359.790
Yxy	40.7494, 0.3183, 0.3263
Android (android.graphics.Color)	4289833387 (0xFFB1A9AB)
YUV	171.6200, -0.3057, 4.7183
Hunter-Lab	63.8353, -0.5510, 3.4648

Details

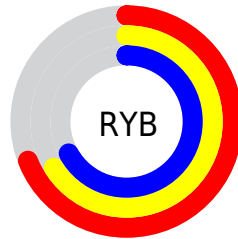
The CIELCh color **70, 3.233, 359.790** is a light color, and the websafe version is hex **999999**. A complement of this color would be **72, 3.177, 179.278**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 3.409, 1.760**, and **50, 3.077, 357.350** is the 20% darker color. If you saturate the color by 10%, you get **65, 10.627, 0.913**, and if you desaturate by 10%, it is **75, 3.821, 179.195**.

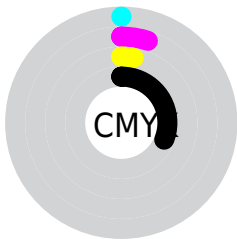
Distribution



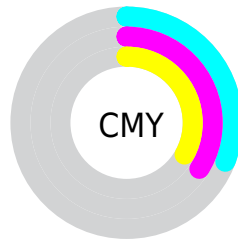
- Red (69%)
- Green (66%)
- Blue (67%)



- Red (69%)
- Yellow (66%)
- Blue (67%)



- Cyan (0%)
- Magenta (5%)
- Yellow (3%)
- Black (31%)



- Cyan (31%)
- Magenta (34%)
- Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 3.233, 359.790 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 70, 3.233, 359.790 by changing the saturation by 10% instead.

 70, 3.233, 359.790

 70, 3.233, 359.790

 100, 3.233,
359.790

 60, 3.233, 359.790

 90, 3.233, 359.790

 50, 3.233, 359.790

 40, 3.233, 359.790

 30, 3.233, 359.790

 20, 3.233, 359.790

 10, 3.233, 359.790

 0, 3.233, 359.790

 70, 3.233, 359.790

 70, 3.233, 359.790

 65, 10.627, 0.913

 75, 3.821, 179.195

60, 18.329, 2.106

80, 10.525,
178.349

56, 26.254, 3.512

85, 16.893,
177.647

51, 34.250, 5.213

47, 42.086, 7.315

90, 22.946,
177.023

44, 49.454, 9.954

95, 27.360,
178.559

41, 56.028, 13.289

39, 61.574, 17.458

95, 25.138,
193.033

38, 66.091, 22.480

95, 24.784,
197.889

Harmonies

Complementary

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



70, 3.233, 359.790



72, 3.177, 179.278

Rectangle

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



70, 3.233, 359.790



70, 3.233, 49.790



70, 3.233, 179.790



70, 3.233, 229.790

Sweetspot

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



70, 3.231, 359.810



90, 0.880, 359.008



70, 4.949, 317.447



48, 0.500, 358.967



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



70, 3.231, 359.810



88, 4.423, 359.880



70, 2.516, 45.031



36, 2.453, 359.940



32, 61.141, 24.581



2, 9.542, 3.795

Inverse Universe

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



70, 3.231, 359.810



88, 4.423, 359.880



71, 2.457, 225.827



36, 2.453, 359.940



32, 61.141, 24.581



2, 9.542, 3.795

Previews

White Background



This preview shows how the CIELCh color 70, 3.233, 359.790 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 70, 3.233, 359.790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

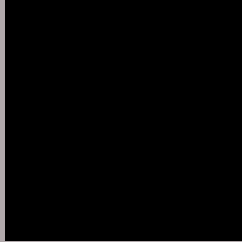
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

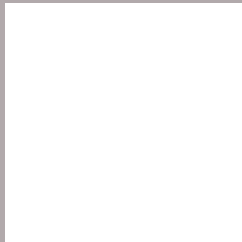
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 3.233, 359.790

Background



This preview shows how black text looks on a background with the CIELCh color 70, 3.233, 359.790.

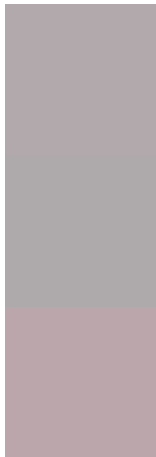


This preview shows how white text looks on a background with the CIELCh color 70, 3.233, 359.790.

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


70, 3.233, 359.790

Protanopia

70, 1.877, 343.640

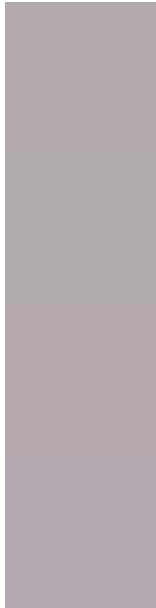
Deuteranopia

70, 8.667, 357.979



Tritanopia
70, 8.252, 320.473

Trichromacy



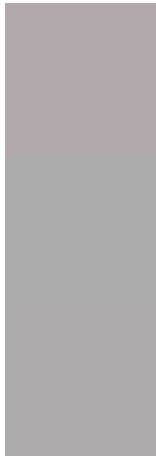
Original Color
70, 3.233, 359.790

Protanomaly
70, 2.194, 349.481

Deuteranomaly
70, 6.685, 355.850

Tritanomaly
70, 6.225, 327.550

Monochromacy



Original Color
70, 3.233, 359.790

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 1.265, 353.514

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 3.233, 359.790 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, 169, 171)` looks like.

```
.text, #text, p{  
    color:rgb(177, 169, 171)  
}
```

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, 169, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 169, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 3.233, 359.790 is called "border". The border property can be set on classes, ids or directly on the HTML element.

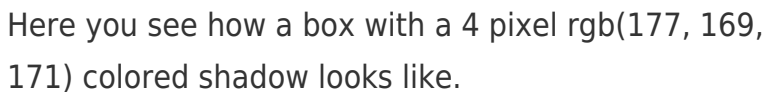
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 169, 171) }
```

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

```
.border{ border-color:rgb(177, 169, 171) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 169, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 169, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 169, 171); box-shadow:4px 4px 4px 4px rgb(177, 169, 171) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 3.233, 359.790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 169, 171) }
```

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

```
.background{ background-color: rgb(177,  
169, 171) }
```

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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