

Converting Colors

CIELCh(70, 4.736, 233.298)

Have a look what the booklet for
CIELCh(70, 4.736, 233.298) contains.

CIELCh(70, 4.817, 233.912)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(70, 4.817, 233.912)

Conversions

Conversions Part 1

Format	Color
Hex	A2ADB2
RGB	162, 173, 178
RGB Percent	64%, 68%, 70%
CMY	0.3649, 0.3218, 0.3022
CMYK	0.09, 0.03, 0.00, 0.30
HSL	199°, 9%, 67%
HSV	199°, 9%, 70%
XYZ	37.8485, 40.7494, 47.9562
YIQ	170.2810, -8.1610, -0.7770

Conversions

Conversions Part 2

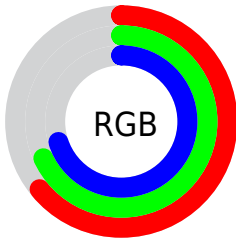
Format	Color
RYB	162, 169, 178
Decimal	10661298
CIELab	70.00, -2.84, -3.89
CIELCh	70, 4.817, 233.912
Yxy	40.7494, 0.2991, 0.3220
Android (android.graphics.Color)	4288851378 (0xFFA2ADB2)
YUV	170.2810, 3.8055, -7.2624
Hunter-Lab	63.8353, -5.8774, 0.1431

Details

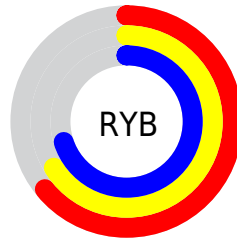
The CIELCh color $70, 4.817, 233.912$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $69, 5.043, 52.375$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 4.898, 238.923$, and $50, 4.812, 228.236$ is the 20% darker color. If you saturate the color by 10%, you get $67, 9.959, 234.826$, and if you desaturate by 10%, it is $73, 0.546, 52.176$.

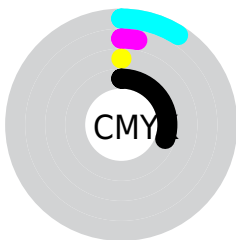
Distribution



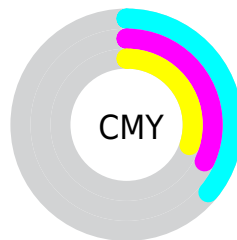
- Red (64%)
- Green (68%)
- Blue (70%)



- Red (64%)
- Yellow (66%)
- Blue (70%)



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)
- Black (30%)



- Cyan (36%)
- Magenta (32%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 4.817, 233.912 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, 4.817, 233.912 by changing the saturation by 10% instead.

■ 70, 4.817, 233.912

■ 70, 4.817, 233.912

■ 100, 4.817,
233.912

■ 60, 4.817, 233.912

■ 90, 4.817, 233.912

■ 50, 4.817, 233.912

■ 40, 4.817, 233.912

■ 30, 4.817, 233.912

■ 20, 4.817, 233.912

■ 10, 4.817, 233.912

■ 0, 4.817, 233.912

■ 70, 4.817, 233.912

■ 70, 4.817, 233.912

■ 67, 9.959, 234.826

■ 73, 0.546, 52.176

65, 14.822,
236.050

76, 6.079, 52.317

62, 19.348,
237.601

79, 11.740, 51.857

82, 17.491, 51.474

59, 23.477,
239.552

85, 23.303, 51.163

57, 27.164,
241.987

86, 24.489, 57.255

88, 24.721, 65.223

55, 30.390,
244.992

89, 25.428, 72.873

53, 33.176,
248.639

90, 26.567, 79.959

51, 35.602,
252.952

49, 37.849,
257.757

Harmonies

Complementary

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



70, 4.817, 233.912



69, 5.043, 52.375

Rectangle

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



70, 4.817, 233.912



70, 4.817, 283.912



70, 4.817, 53.912



70, 4.817, 103.912

Sweetspot

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



70, 4.817, 233.891



91, 2.019, 233.586



71, 8.617, 153.700



49, 1.540, 233.591



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



70, 4.817, 233.891



88, 7.281, 234.070



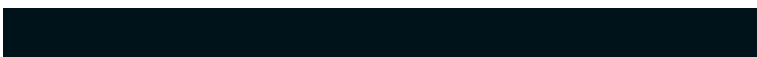
68, 7.130, 281.479



36, 3.040, 233.917



42, 33.867, 257.563



4, 7.638, 245.934

Inverse Universe

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



68, 8.584, 335.365



85, 13.055, 335.527



71, 7.051, 99.379



35, 5.423, 335.390



34, 62.732, 345.466



2, 12.081, 339.446

Previews

White Background



This preview shows how the CIELCh color 70, 4.817, 233.912 looks on a white background.

Color Contrast Check

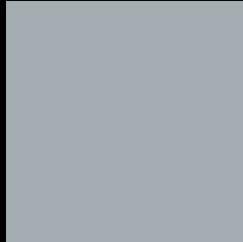
Large Text (above 18pt) WCAG AA × Fail

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, 4.817, 233.912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

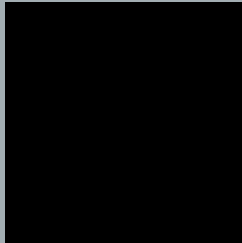
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

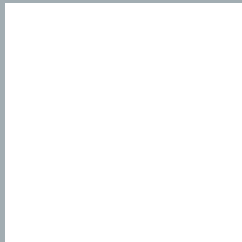
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 4.817, 233.912

Background



This preview shows how black text looks on a background with the CIELCh color 70, 4.817, 233.912.



This preview shows how white text looks on a background with the CIELCh color 70, 4.817, 233.912.

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

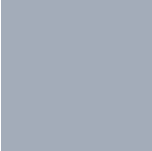
70, 4.817, 233.912

Protanopia

70, 3.386, 303.213

Deuteranopia

70, 9.845, 334.019



Tritanopia
70, 7.754, 266.221

Trichromacy



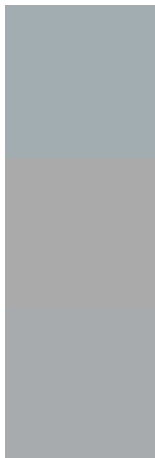
Original Color
70, 4.817, 233.912

Protanomaly
70, 3.454, 271.821

Deuteranomaly
70, 6.098, 315.935

Tritanomaly
70, 6.315, 259.641

Monochromacy



Original Color
70, 4.817, 233.912

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 1.838, 236.216

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 4.817, 233.912 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(162, 173, 178)` looks like.

```
.text, #text, p{  
    color:rgb(162, 173, 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(162, 173, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 173, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 4.817, 233.912 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(162, 173, 178) }
```

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

```
.border{ border-color:rgb(162, 173, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 173, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 173, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 173, 178);  
box-shadow:4px 4px 4px 4px rgb(162, 173,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 4.817, 233.912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 173, 178) }
```

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

```
.background{ background-color: rgb(162,  
173, 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](#).

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