

Converting Colors

CIELCh(70, 2.702, 69.419)

Have a look what the booklet for
CIELCh(70, 2.702, 69.419) contains.

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Color

CIELCh(70, 2.498, 60.259)

Conversions

Conversions Part 1

Format	Color
Hex	AFAAA7
RGB	175, 170, 167
RGB Percent	69%, 67%, 65%
CMY	0.3130, 0.3326, 0.3444
CMYK	0.00, 0.03, 0.05, 0.31
HSL	23°, 5%, 67%
HSV	23°, 5%, 69%
XYZ	39.1208, 40.7494, 42.4505
YIQ	171.1530, 3.9430, 0.1270

Conversions

Conversions Part 2

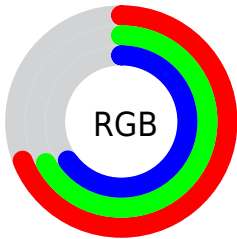
Format	Color
RYB	175, 172, 167
Decimal	11512487
CIELab	70.00, 1.24, 2.17
CIELCh	70, 2.498, 60.259
Yxy	40.7494, 0.3198, 0.3331
Android (android.graphics.Color)	4289702567 (0xFFAFAAA7)
YUV	171.1530, -2.0474, 3.3738
Hunter-Lab	63.8353, -2.3197, 5.2568

Details

The CIELCh color $70, 2.498, 60.259$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $70, 2.458, 241.509$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 2.650, 55.183$, and $50, 2.680, 60.145$ is the 20% darker color. If you saturate the color by 10%, you get $67, 8.237, 59.504$, and if you desaturate by 10%, it is $73, 2.892, 241.552$.

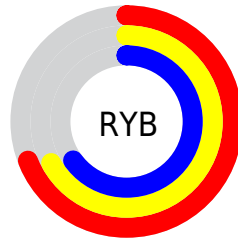
Distribution



Red (69%)

Green (67%)

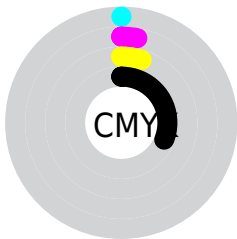
Blue (65%)



Red (69%)

Yellow (67%)

Blue (65%)

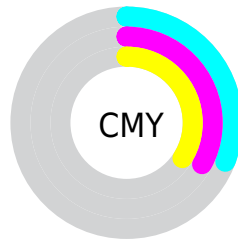


Cyan (0%)

Magenta (3%)

Yellow (5%)

Black (31%)



Cyan (31%)

Magenta (33%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 2.498, 60.259 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, 2.498, 60.259 by changing the saturation by 10% instead.

■ 70, 2.498, 60.259

■ 70, 2.498, 60.259

■ 100, 2.498, 60.259

■ 60, 2.498, 60.259

■ 90, 2.498, 60.259

■ 50, 2.498, 60.259

■ 40, 2.498, 60.259

■ 30, 2.498, 60.259

■ 20, 2.498, 60.259

■ 10, 2.498, 60.259

■ 0, 2.498, 60.259

■ 70, 2.498, 60.259

■ 70, 2.498, 60.259

■ 67, 8.237, 59.504

■ 73, 2.892, 241.552

63, 14.362, 58.633

77, 7.973, 242.395

60, 20.905, 57.792

80, 12.779,
243.303

57, 27.886, 57.001

84, 17.345,
244.206

54, 35.293, 56.267

51, 43.054, 55.573

87, 21.699,
245.092

49, 50.976, 54.855

90, 21.273,
226.435

46, 58.613, 53.942

44, 65.107, 52.474

93, 22.942,
208.777

95, 25.335,
197.855

Harmonies

Complementary

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



70, 2.498, 60.259



70, 2.458, 241.509

Rectangle

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



70, 2.498, 60.259



70, 2.498, 110.259



70, 2.498, 240.259



70, 2.498, 290.259

Sweetspot

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



70, 2.498, 60.307



90, 0.663, 60.040



69, 4.127, 337.358



48, 0.380, 60.001



96, 0.011, 296.813



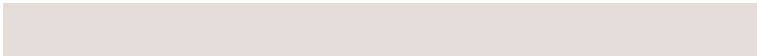
48, 0.006, 296.813

Same Dimension

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



70, 2.498, 60.307



88, 3.382, 60.276



71, 3.786, 103.624



36, 1.849, 60.244



37, 60.864, 52.183



3, 6.392, 52.319

Inverse Universe

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



70, 2.458, 241.509



88, 3.319, 241.545



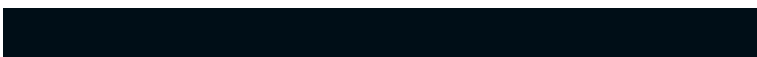
69, 3.827, 284.652



36, 1.810, 241.583



38, 37.407, 267.906



3, 6.709, 252.215

Previews

White Background



This preview shows how the CIELCh color 70, 2.498, 60.259 looks on a white background.

Color Contrast Check

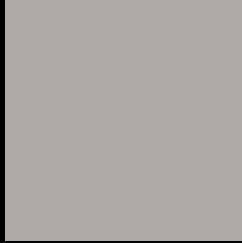
Large Text (above 18pt) WCAG AA × Fail

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, 2.498, 60.259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

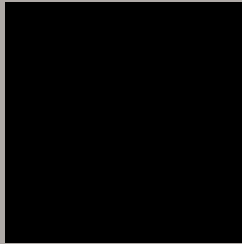
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

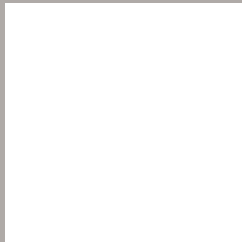
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 2.498, 60.259

Background



This preview shows how black text looks on a background with the CIELCh color 70, 2.498, 60.259.



This preview shows how white text looks on a background with the CIELCh color 70, 2.498, 60.259.

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, 2.498, 60.259

Protanopia

70, 2.498, 60.259

Deuteranopia

70, 9.395, 10.204



Tritanopia
70, 7.907, 315.763

Trichromacy



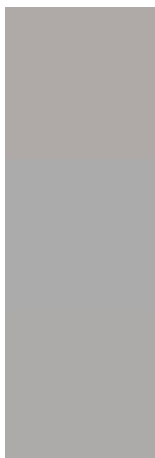
Original Color
70, 2.498, 60.259

Protanomaly
70, 2.498, 60.259

Deuteranomaly
70, 6.549, 15.145

Tritanomaly
70, 4.673, 324.606

Monochromacy



Original Color
70, 2.498, 60.259

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 0.923, 55.089

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 2.498, 60.259 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(175, 170, 167)` looks like.

```
.text, #text, p{  
    color:rgb(175, 170, 167)  
}
```

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(175, 170, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 170, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 2.498, 60.259 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(175, 170, 167) }
```

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

```
.border{ border-color:rgb(175, 170, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 170, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 170, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 170, 167);  
box-shadow:4px 4px 4px 4px rgb(175, 170,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 2.498, 60.259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 170, 167) }
```

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

```
.background{ background-color: rgb(175,  
170, 167) }
```

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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