

Converting Colors

CIELCh(70, 2.165, 60.358)

Have a look what the booklet for
CIELCh(70, 2.165, 60.358) contains.

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Color

CIELCh(70, 2.181, 49.343)

Conversions

Conversions Part 1

Format	Color
Hex	AFAAA8
RGB	175, 170, 168
RGB Percent	69%, 67%, 66%
CMY	0.3133, 0.3329, 0.3407
CMYK	0.00, 0.03, 0.04, 0.31
HSL	17°, 4%, 67%
HSV	17°, 4%, 69%
XYZ	39.1782, 40.7494, 42.9004
YIQ	171.2670, 3.6220, 0.4380

Conversions

Conversions Part 2

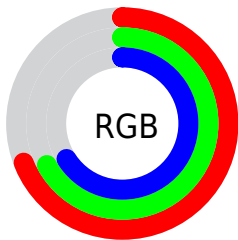
Format	Color
RYB	175, 171, 168
Decimal	11512488
CIELab	70.00, 1.42, 1.65
CIELCh	70, 2.181, 49.343
Yxy	40.7494, 0.3190, 0.3318
Android (android.graphics.Color)	4289702568 (0xFFAFAAA8)
YUV	171.2670, -1.6106, 3.2738
Hunter-Lab	63.8353, -2.1592, 4.8389

Details

The CIELCh color **70, 2.181, 49.343** is a light color, and the websafe version is hex **999999**. A complement of this color would be **70, 2.141, 230.313**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 2.385, 45.019**, and **50, 2.340, 49.314** is the 20% darker color. If you saturate the color by 10%, you get **66, 7.933, 48.991**, and if you desaturate by 10%, it is **74, 3.167, 230.364**.

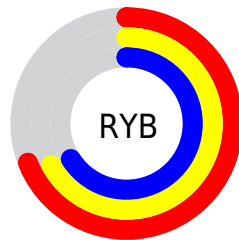
Distribution



Red (69%)

Green (67%)

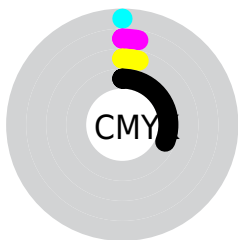
Blue (66%)



Red (69%)

Yellow (67%)

Blue (66%)

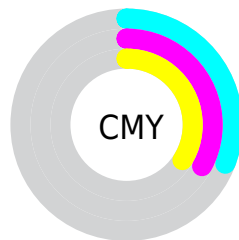


Cyan (0%)

Magenta (3%)

Yellow (4%)

Black (31%)



Cyan (31%)

Magenta (33%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 2.181, 49.343 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, 2.181, 49.343 by changing the saturation by 10% instead.

■ 70, 2.181, 49.343

■ 70, 2.181, 49.343

■ 100, 2.181, 49.343

■ 60, 2.181, 49.343

■ 90, 2.181, 49.343

■ 50, 2.181, 49.343

■ 40, 2.181, 49.343

■ 30, 2.181, 49.343

■ 20, 2.181, 49.343

■ 10, 2.181, 49.343

■ 0, 2.181, 49.343

■ 70, 2.181, 49.343

■ 70, 2.181, 49.343

■ 66, 7.933, 48.991

■ 74, 3.167, 230.364

63, 14.134, 48.524

78, 8.154, 230.914

59, 20.822, 48.131

81, 12.824,
231.550

56, 28.021, 47.846

85, 17.214,
232.205

52, 35.727, 47.689

49, 43.880, 47.660

89, 21.202,
232.005

46, 52.302, 47.710

92, 22.583,
211.245

44, 60.576, 47.679

41, 67.815, 47.171

95, 25.355,
197.854

Harmonies

Complementary

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



70, 2.181, 49.343



70, 2.141, 230.313

Rectangle

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



70, 2.181, 49.343



70, 2.181, 99.343



70, 2.181, 229.343



70, 2.181, 279.343

Sweetspot

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



70, 2.181, 49.397



90, 0.663, 48.938



70, 3.833, 333.805



48, 0.380, 48.892



96, 0.011, 296.813



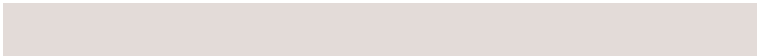
48, 0.006, 296.813

Same Dimension

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



70, 2.181, 49.397



88, 3.382, 49.380



71, 3.029, 98.886



36, 1.849, 49.366



35, 63.842, 47.284



3, 6.508, 43.412

Inverse Universe

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



70, 2.141, 230.313



89, 3.297, 230.341



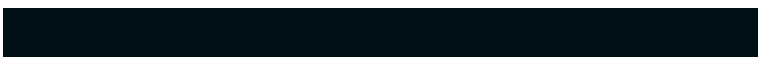
70, 3.056, 279.890



36, 1.798, 230.360



42, 32.132, 252.611



4, 6.428, 240.807

Previews

White Background



This preview shows how the CIELCh color 70, 2.181, 49.343 looks on a white background.

Color Contrast Check

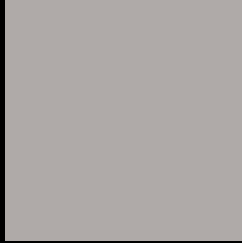
Large Text (above 18pt) WCAG AA × Fail

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, 2.181, 49.343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

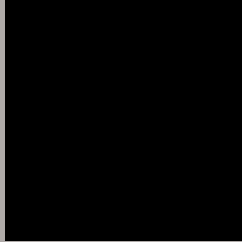
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

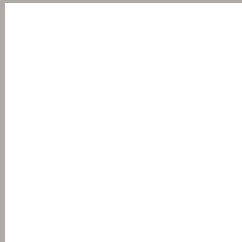
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 2.181, 49.343

Background



This preview shows how black text looks on a background with the CIELCh color 70, 2.181, 49.343.



This preview shows how white text looks on a background with the CIELCh color 70, 2.181, 49.343.

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, 2.181, 49.343

Protanopia

70, 2.181, 49.343

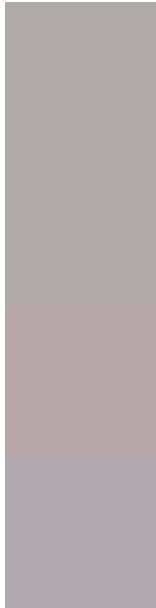
Deuteranopia

70, 8.615, 9.208



Tritanopia
70, 7.907, 315.763

Trichromacy



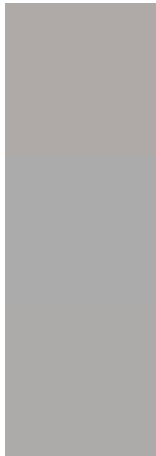
Original Color
70, 2.181, 49.343

Protanomaly
70, 2.181, 49.343

Deuteranomaly
70, 6.224, 9.799

Tritanomaly
70, 4.673, 324.606

Monochromacy



Original Color
70, 2.181, 49.343

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 0.654, 74.780

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 2.181, 49.343 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, 168)` looks like.

```
.text, #text, p{  
    color:rgb(175, 170, 168)  
}
```

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, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 170, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 2.181, 49.343 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, 168) }
```

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

```
.border{ border-color:rgb(175, 170, 168) }
```

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, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 170, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 170, 168);  
box-shadow:4px 4px 4px 4px rgb(175, 170,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 2.181, 49.343 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, 168) }
```

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

```
.background{ background-color: rgb(175,  
170, 168) }
```

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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