

Converting Colors

CIELCh(70, 1.441, 91.114)

Have a look what the booklet for
CIELCh(70, 1.441, 91.114) contains.

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Color

CIELCh(70, 1.670, 96.866)

Conversions

Conversions Part 1

Format	Color
Hex	ACABA8
RGB	172, 171, 168
RGB Percent	67%, 67%, 66%
CMY	0.3253, 0.3292, 0.3410
CMYK	0.00, 0.01, 0.02, 0.33
HSL	45°, 2%, 67%
HSV	45°, 2%, 67%
XYZ	38.6686, 40.7494, 42.8974
YIQ	170.9570, 1.5590, -0.7210

Conversions

Conversions Part 2

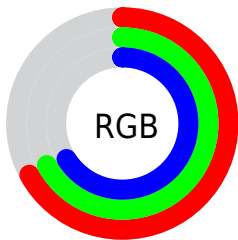
Format	Color
RYB	169, 172, 168
Decimal	11316136
CIELab	70.00, -0.20, 1.66
CIElCh	70, 1.670, 96.866
Yxy	40.7494, 0.3161, 0.3332
Android (android.graphics.Color)	4289506216 (0xFFACABA8)
YUV	170.9570, -1.4578, 0.9147
Hunter-Lab	63.8353, -3.5844, 4.8418

Details

The CIELCh color $70, 1.670, 96.866$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $69, 1.690, 277.649$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 1.583, 96.897$, and $50, 1.787, 96.790$ is the 20% darker color. If you saturate the color by 10%, you get $68, 8.953, 95.830$, and if you desaturate by 10%, it is $72, 5.518, 278.174$.

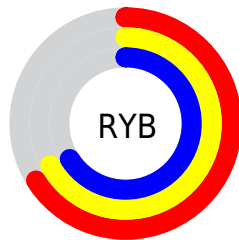
Distribution



Red (67%)

Green (67%)

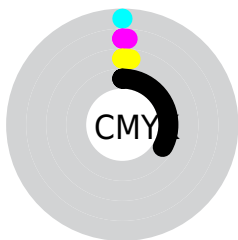
Blue (66%)



Red (66%)

Yellow (67%)

Blue (66%)

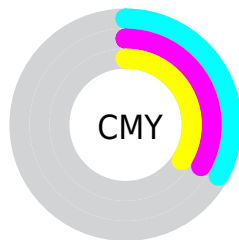


Cyan (0%)

Magenta (1%)

Yellow (2%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 1.670, 96.866 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, 1.670, 96.866 by changing the saturation by 10% instead.

■ 70, 1.670, 96.866

■ 70, 1.670, 96.866

■ 100, 1.670, 96.866

■ 60, 1.670, 96.866

■ 90, 1.670, 96.866

■ 50, 1.670, 96.866

■ 40, 1.670, 96.866

■ 30, 1.670, 96.866

■ 20, 1.670, 96.866

■ 10, 1.670, 96.866

■ 0, 1.670, 96.866

■ 70, 1.670, 96.866

■ 70, 1.670, 96.866

■ 68, 8.953, 95.830

■ 72, 5.518, 278.174

67, 16.315, 94.630

73, 12.611,
279.236

65, 23.728, 93.390

75, 19.609,
280.261

64, 31.135, 92.119

63, 38.433, 90.818

77, 26.514,
281.239

61, 45.434, 89.484

78, 33.331,
282.168

60, 51.824, 88.100

59, 57.116, 86.624

80, 31.705,
278.934

57, 60.700, 84.974

81, 29.727,
275.032

82, 27.903,
270.631

83, 26.261,
265.687

Harmonies

Complementary

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



70, 1.670, 96.866



69, 1.690, 277.649

Rectangle

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



70, 1.670, 96.866



70, 1.670, 146.866



70, 1.670, 276.866



70, 1.670, 326.866

Sweetspot

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



70, 1.671, 96.918



89, 0.886, 96.939



69, 1.618, 359.454



47, 0.503, 96.931



95, 0.011, 296.813



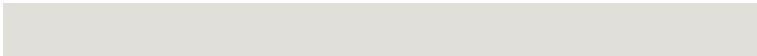
47, 0.006, 296.813

Same Dimension

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



70, 1.671, 96.918



89, 2.682, 96.858



70, 2.212, 119.782



36, 1.643, 96.795



50, 56.641, 83.845



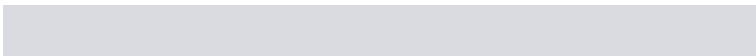
5, 7.976, 91.235

Inverse Universe

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



69, 1.690, 277.649



88, 2.706, 277.712



69, 2.239, 300.039



36, 1.656, 277.779



22, 73.335, 300.143



2, 9.158, 280.207

Previews

White Background



This preview shows how the CIELCh color 70, 1.670, 96.866 looks on a white background.

Color Contrast Check

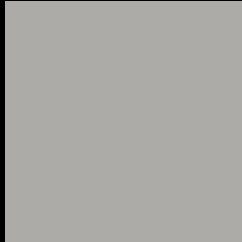
Large Text (above 18pt) WCAG AA × Fail

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, 1.670, 96.866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

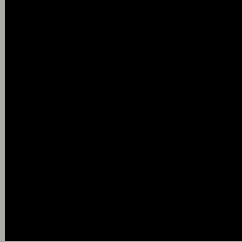
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

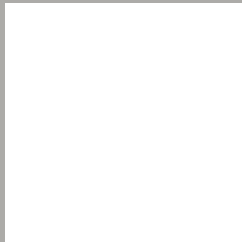
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 1.670, 96.866

Background



This preview shows how black text looks on a background with the CIELCh color 70, 1.670, 96.866.



This preview shows how white text looks on a background with the CIELCh color 70, 1.670, 96.866.

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, 1.670, 96.866

Protanopia

70, 2.181, 49.343

Deuteranopia

70, 9.107, 6.348



Tritanopia
70, 7.388, 305.291

Trichromacy



Original Color
70, 1.670, 96.866

Protanomaly
70, 1.859, 55.192

Deuteranomaly
70, 5.843, 9.089

Tritanomaly
70, 4.013, 306.698

Monochromacy



Original Color
70, 1.670, 96.866

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 0.538, 110.017

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 1.670, 96.866 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, 171, 168)` looks like.

```
.text, #text, p{  
    color:rgb(172, 171, 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(172, 171, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 171, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 1.670, 96.866 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, 171, 168) }
```

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

```
.border{ border-color:rgb(172, 171, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 171, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 171, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 171, 168);  
box-shadow:4px 4px 4px 4px rgb(172, 171,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 1.670, 96.866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 171, 168) }
```

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

```
.background{ background-color: rgb(172,  
171, 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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