

Converting Colors

CIELCh(70, 1.114, 163.012)

Have a look what the booklet for
CIELCh(70, 1.114, 163.012) contains.

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Color

CIELCh(70, 1.575, 155.745)

Conversions

Conversions Part 1

Format	Color
Hex	A9ACAA
RGB	169, 172, 170
RGB Percent	66%, 67%, 67%
CMY	0.3379, 0.3262, 0.3340
CMYK	0.02, 0.00, 0.01, 0.33
HSL	140°, 2%, 67%
HSV	140°, 2%, 67%
XYZ	38.2827, 40.7494, 43.7909
YIQ	170.8750, -1.1460, -1.2580

Conversions

Conversions Part 2

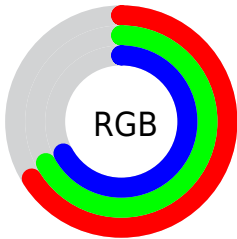
Format	Color
RYB	169, 171, 172
Decimal	11119786
CIELab	70.00, -1.44, 0.65
CIELCh	70, 1.575, 155.745
Yxy	40.7494, 0.3117, 0.3318
Android (android.graphics.Color)	4289309866 (0xFFA9ACAA)
YUV	170.8750, -0.4314, -1.6444
Hunter-Lab	63.8353, -4.6633, 4.0118

Details

The CIELCh color $70, 1.575, 155.745$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $69, 1.592, 335.577$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 1.493, 155.831$, and $50, 1.684, 155.642$ is the 20% darker color. If you saturate the color by 10%, you get $68, 10.693, 154.833$, and if you desaturate by 10%, it is $72, 7.428, 336.139$.

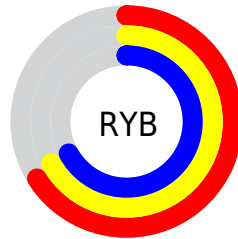
Distribution



Red (66%)

Green (67%)

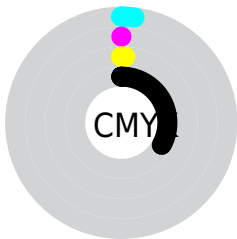
Blue (67%)



Red (66%)

Yellow (67%)

Blue (67%)

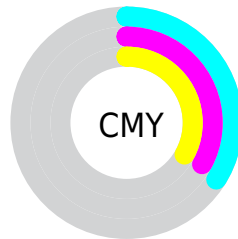


Cyan (2%)

Magenta (0%)

Yellow (1%)

Black (33%)



Cyan (34%)

Magenta (33%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 1.575, 155.745 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, 1.575, 155.745 by changing the saturation by 10% instead.

■ 70, 1.575, 155.745

■ 70, 1.575, 155.745

■ 100, 1.575,
155.745

■ 60, 1.575, 155.745

■ 90, 1.575, 155.745

■ 50, 1.575, 155.745

■ 40, 1.575, 155.745

■ 30, 1.575, 155.745

■ 20, 1.575, 155.745

■ 10, 1.575, 155.745

■ 0, 1.575, 155.745

■ 70, 1.575, 155.745

■ 70, 1.575, 155.745

■ 68, 10.693,

■ 72, 7.428, 336.139

154.833

74, 16.256,
336.738

67, 19.832,
153.990

76, 24.865,
337.263

66, 28.880,
153.036

78, 33.227,
337.734

65, 37.698,
151.946

80, 41.327,
338.163

64, 46.129,
150.697

80, 45.465,
332.558

63, 54.007,
149.269

81, 49.951,
327.933

62, 61.176,
147.654

81, 51.988,
326.218

62, 67.510,
145.858

62, 72.929,
143.912

Harmonies

Complementary

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



70, 1.575, 155.745



69, 1.592, 335.577

Rectangle

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



70, 1.575, 155.745



70, 1.575, 205.745



70, 1.575, 335.745



70, 1.575, 25.745

Sweetspot

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



70, 1.577, 155.732



89, 1.117, 155.924



70, 1.675, 122.362



47, 0.634, 155.948



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, 1.577, 155.732



89, 2.244, 155.684



70, 1.166, 184.774



37, 1.030, 155.712



54, 69.263, 142.560



6, 11.440, 153.169

Inverse Universe

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



69, 1.592, 335.577



88, 2.263, 335.625



69, 1.180, 4.293



36, 1.039, 335.597



33, 61.218, 346.983



2, 10.227, 339.884

Previews

White Background



This preview shows how the CIELCh color 70, 1.575, 155.745 looks on a white background.

Color Contrast Check

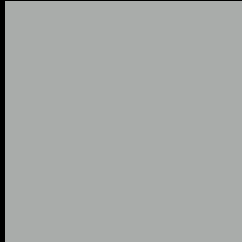
Large Text (above 18pt) WCAG AA × Fail

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, 1.575, 155.745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

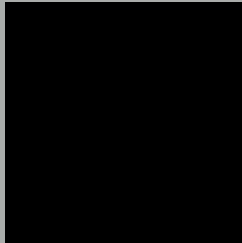
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

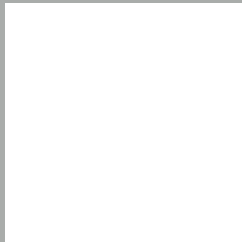
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 1.575, 155.745

Background



This preview shows how black text looks on a background with the CIELCh color 70, 1.575, 155.745.

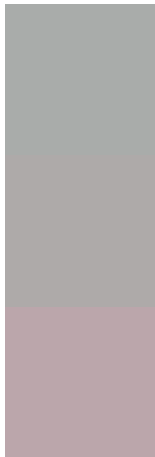


This preview shows how white text looks on a background with the CIELCh color 70, 1.575, 155.745.

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, 1.575, 155.745

Protanopia

70, 1.604, 39.114

Deuteranopia

70, 8.489, 1.408



Tritanopia
70, 7.141, 293.826

Trichromacy



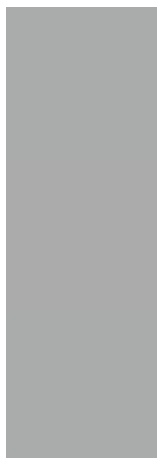
Original Color
70, 1.575, 155.745

Protanomaly
70, 1.145, 90.727

Deuteranomaly
70, 4.858, 0.040

Tritanomaly
70, 3.849, 285.070

Monochromacy



Original Color
70, 1.575, 155.745

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 0.374, 200.685

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 1.575, 155.745 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(169, 172, 170)` looks like.

```
.text, #text, p{  
    color:rgb(169, 172, 170)  
}
```

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(169, 172, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 172, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 1.575, 155.745 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(169, 172, 170) }
```

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

```
.border{ border-color:rgb(169, 172, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 172, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 172, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 172, 170);  
box-shadow:4px 4px 4px 4px rgb(169, 172,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 1.575, 155.745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 172, 170) }
```

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

```
.background{ background-color: rgb(169,  
172, 170) }
```

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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