

Converting Colors

CIELCh(70, 3.459, 128.951)

Have a look what the booklet for
CIELCh(70, 3.459, 128.951) contains.

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Color

CIELCh(70, 3.475, 128.950)

Conversions

Conversions Part 1

Format	Color
Hex	A9ACA6
RGB	169, 172, 166
RGB Percent	66%, 67%, 65%
CMY	0.3368, 0.3251, 0.3486
CMYK	0.02, 0.00, 0.03, 0.33
HSL	90°, 3%, 66%
HSV	90°, 3%, 67%
XYZ	38.0504, 40.7494, 41.9871
YIQ	170.4190, 0.1380, -2.5020

Conversions

Conversions Part 2

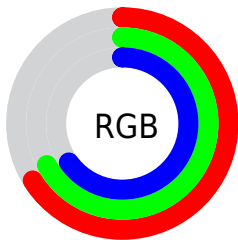
Format	Color
R _Y B	166, 172, 169
Decimal	11119782
CIE Lab	70.00, -2.18, 2.70
CIE LCh	70, 3.475, 128.950
Yxy	40.7494, 0.3150, 0.3374
Android (android.graphics.Color)	4289309862 (0xFFA9ACA6)
YUV	170.4190, -2.1786, -1.2445
Hunter-Lab	63.8353, -5.3130, 5.6872

Details

The CIELCh color $70, 3.475, 128.950$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $69, 3.508, 309.197$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 3.296, 128.994$, and $50, 3.714, 128.883$ is the 20% darker color. If you saturate the color by 10%, you get $69, 13.493, 128.491$, and if you desaturate by 10%, it is $71, 6.492, 309.327$.

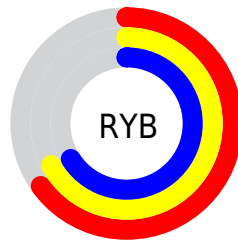
Distribution



Red (66%)

Green (67%)

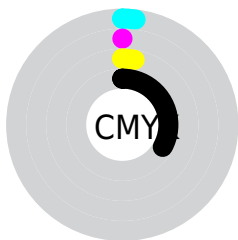
Blue (65%)



Red (65%)

Yellow (67%)

Blue (66%)

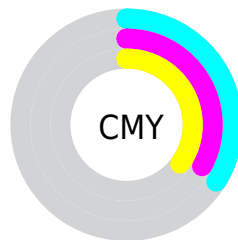


Cyan (2%)

Magenta (0%)

Yellow (3%)

Black (33%)



Cyan (34%)

Magenta (33%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 3.475, 128.950 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, 3.475, 128.950 by changing the saturation by 10% instead.

■ 70, 3.475, 128.950

■ 70, 3.475, 128.950

■ 100, 3.475,
128.950

■ 60, 3.475, 128.950

■ 90, 3.475, 128.950

■ 50, 3.475, 128.950

■ 40, 3.475, 128.950

■ 30, 3.475, 128.950

■ 20, 3.475, 128.950

■ 10, 3.475, 128.950

■ 0, 3.475, 128.950

■ 70, 3.475, 128.950

■ 70, 3.475, 128.950

■ 69, 13.493,

■ 71, 6.492, 309.327

128.491

72, 16.369,
309.716

68, 23.493,
128.017

74, 26.124,
310.061

67, 33.392,
127.536

75, 35.735,
310.371

66, 43.064,
127.072

76, 45.187,
310.648

65, 52.330,
126.666

77, 47.375,
313.520

65, 60.932,
126.386

78, 48.283,
316.851

64, 68.519,
126.328

79, 49.335,
320.100

64, 74.673,
126.612

80, 50.526,
323.249

63, 79.035,
127.350

Harmonies

Complementary

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



70, 3.475, 128.950



69, 3.508, 309.197

Rectangle

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



70, 3.475, 128.950



70, 3.475, 178.950



70, 3.475, 308.950



70, 3.475, 358.950

Sweetspot

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



70, 3.477, 128.960



89, 1.229, 129.140



69, 1.986, 74.840



47, 0.697, 129.148



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, 3.477, 128.960



89, 4.949, 128.930



70, 4.009, 144.307



37, 2.841, 128.901



56, 73.410, 127.788



6, 12.301, 132.160

Inverse Universe

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



69, 3.508, 309.197



87, 4.994, 309.227



69, 4.024, 324.573



35, 2.867, 309.256



23, 84.031, 312.085



1, 11.831, 305.868

Previews

White Background



This preview shows how the CIELCh color 70, 3.475, 128.950 looks on a white background.

Color Contrast Check

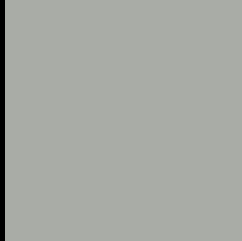
Large Text (above 18pt) WCAG AA × Fail

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, 3.475, 128.950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

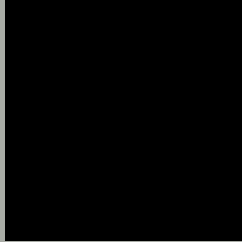
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

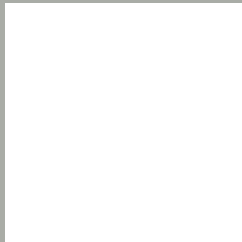
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 3.475, 128.950

Background



This preview shows how black text looks on a background with the CIELCh color 70, 3.475, 128.950.



This preview shows how white text looks on a background with the CIELCh color 70, 3.475, 128.950.

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, 3.475, 128.950

Protanopia

70, 3.317, 74.637

Deuteranopia

70, 9.334, 13.507



Tritanopia
70, 7.174, 296.745

Trichromacy



Original Color
70, 3.475, 128.950

Protanomaly
70, 3.351, 96.650

Deuteranomaly
70, 5.399, 25.568

Tritanomaly
70, 3.290, 290.523

Monochromacy



Original Color
70, 3.475, 128.950

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 1.153, 129.110

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 3.475, 128.950 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(169, 172, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 172, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 3.475, 128.950 is called "border". The border property can be set on classes, ids or directly on the HTML element.

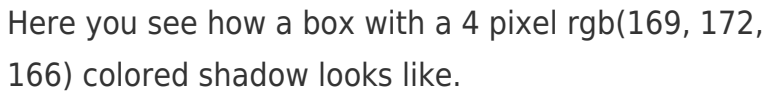
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(169, 172, 166) }
```

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

```
.border{ border-color:rgb(169, 172, 166) }
```

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, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 172, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 172, 166); box-shadow:4px 4px 4px 4px rgb(169, 172, 166) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 3.475, 128.950 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, 166) }
```

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

```
.background{ background-color: rgb(169,  
172, 166) }
```

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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