

Converting Colors

CIELCh(70, 9.312, 128.678)

Have a look what the booklet for
CIELCh(70, 9.312, 128.678) contains.

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Color

CIELCh(70, 9.272, 128.680)

Conversions

Conversions Part 1

Format	Color
Hex	A6AE9E
RGB	166, 174, 158
RGB Percent	65%, 68%, 62%
CMY	0.3497, 0.3184, 0.3811
CMYK	0.05, 0.00, 0.09, 0.32
HSL	90°, 9%, 65%
HSV	90°, 9%, 68%
XYZ	36.9430, 40.7494, 38.1835
YIQ	169.7840, 0.3680, -6.6720

Conversions

Conversions Part 2

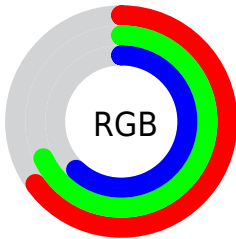
Format	Color
RYB	158, 174, 166
Decimal	10923678
CIELab	70.00, -5.79, 7.24
CIELCh	70, 9.272, 128.680
Yxy	40.7494, 0.3188, 0.3517
Android (android.graphics.Color)	4289113758 (0xFFA6AE9E)
YUV	169.7840, -5.8095, -3.3186
Hunter-Lab	63.8353, -8.4096, 9.2200

Details

The CIELCh color **70, 9.272, 128.680** is a light color, and the websafe version is hex **999999**. A complement of this color would be **66, 9.398, 309.467**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 8.802, 128.776**, and **50, 9.354, 129.722** is the 20% darker color. If you saturate the color by 10%, you get **69, 19.370, 128.216**, and if you desaturate by 10%, it is **71, 0.808, 308.974**.

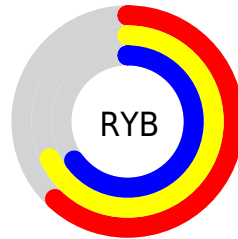
Distribution



Red (65%)

Green (68%)

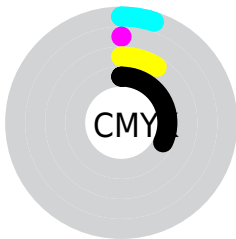
Blue (62%)



Red (62%)

Yellow (68%)

Blue (65%)

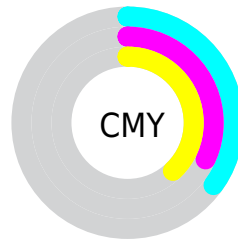


Cyan (5%)

Magenta (0%)

Yellow (9%)

Black (32%)



Cyan (35%)

Magenta (32%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 9.272, 128.680 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, 9.272, 128.680 by changing the saturation by 10% instead.

■ 70, 9.272, 128.680

■ 70, 9.272, 128.680

■ 100, 9.272,
128.680

■ 60, 9.272, 128.680

■ 90, 9.272, 128.680

■ 50, 9.272, 128.680

■ 40, 9.272, 128.680

■ 30, 9.272, 128.680

■ 20, 9.272, 128.680

■ 10, 9.272, 128.680

■ 0, 9.272, 128.680

■ 70, 9.272, 128.680

■ 70, 9.272, 128.680

■ 69, 19.370,

■ 71, 0.808, 308.974

128.216

72, 10.823,
309.495

68, 29.406,
127.736

74, 20.730,
309.864

67, 39.271,
127.260

75, 30.503,
310.194

66, 48.812,
126.823

76, 40.124,
310.490

66, 57.804,
126.479

77, 46.043,
312.085

65, 65.935,
126.313

78, 46.912,
315.551

64, 72.801,
126.437

79, 47.933,
318.934

64, 77.991,
126.974

80, 49.102,
322.215

64, 81.525,
127.905

Harmonies

Complementary

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



70, 9.272, 128.680



66, 9.398, 309.467

Rectangle

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



70, 9.272, 128.680



70, 9.272, 178.680



70, 9.272, 308.680



70, 9.272, 358.680

Sweetspot

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



70, 9.274, 128.684



90, 3.742, 128.978



68, 5.359, 74.255



48, 2.862, 128.936



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, 9.274, 128.684



89, 13.773, 128.592



69, 10.720, 143.931



36, 5.693, 128.679



56, 73.407, 127.784



6, 12.301, 132.155

Inverse Universe

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



66, 9.398, 309.467



83, 13.989, 309.561



67, 10.736, 324.917



34, 5.769, 309.471



23, 84.034, 312.082



1, 11.831, 305.864

Previews

White Background



This preview shows how the CIELCh color 70, 9.272, 128.680 looks on a white background.

Color Contrast Check

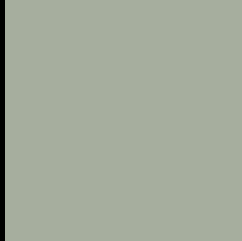
Large Text (above 18pt) WCAG AA × Fail

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, 9.272, 128.680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

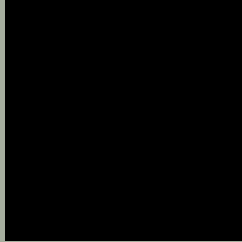
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

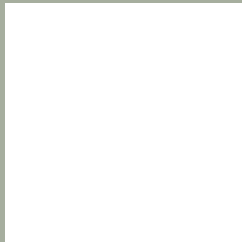
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 9.272, 128.680

Background



This preview shows how black text looks on a background with the CIELCh color 70, 9.272, 128.680.



This preview shows how white text looks on a background with the CIELCh color 70, 9.272, 128.680.

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, 9.272, 128.680

Protanopia

70, 8.103, 89.640

Deuteranopia

70, 10.974, 34.576



Tritanopia
70, 7.674, 290.949

Trichromacy



Original Color
70, 9.272, 128.680

Protanomaly
70, 7.669, 103.579

Deuteranomaly
70, 7.347, 61.550

Tritanomaly
70, 1.976, 256.005

Monochromacy



Original Color
70, 9.272, 128.680

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 2.967, 132.411

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 9.272, 128.680 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(166, 174, 158)` looks like.

```
.text, #text, p{  
    color:rgb(166, 174, 158)  
}
```

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(166, 174, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 174, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 9.272, 128.680 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(166, 174, 158) }
```

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

```
.border{ border-color:rgb(166, 174, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 174, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 174, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 174, 158);  
box-shadow:4px 4px 4px 4px rgb(166, 174,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 9.272, 128.680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 174, 158) }
```

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

```
.background{ background-color: rgb(166,  
174, 158) }
```

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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