

Converting Colors

CIELCh(72, 8.664, 138.060)

Have a look what the booklet for
CIELCh(72, 8.664, 138.060) contains.

CIELCh(72, 8.700, 138.058)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(72, 8.700, 138.058)

Conversions

Conversions Part 1

Format	Color
Hex	A9B4A6
RGB	169, 180, 166
RGB Percent	66%, 71%, 65%
CMY	0.3385, 0.2953, 0.3502
CMYK	0.06, 0.00, 0.08, 0.30
HSL	107°, 9%, 68%
HSV	107°, 8%, 70%
XYZ	39.4088, 43.6590, 42.2784
YIQ	175.1150, -2.0620, -6.6860

Conversions

Conversions Part 2

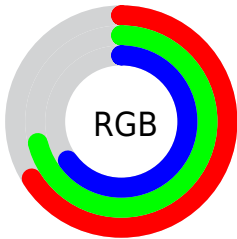
Format	Color
RYB	166, 180, 177
Decimal	11121830
CIELab	72.00, -6.47, 5.81
CIELCh	72, 8.700, 138.058
Yxy	43.6590, 0.3144, 0.3483
Android (android.graphics.Color)	4289311910 (0xFFA9B4A6)
YUV	175.1150, -4.4937, -5.3629
Hunter-Lab	66.0750, -9.1694, 8.3155

Details

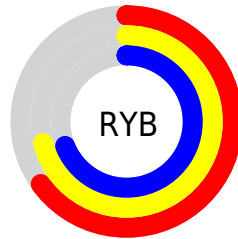
The CIELCh color $72, 8.700, 138.058$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $69, 8.749, 318.698$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 8.891, 138.549$, and $52, 8.580, 137.457$ is the 20% darker color. If you saturate the color by 10%, you get $71, 19.962, 137.547$, and if you desaturate by 10%, it is $74, 2.464, 318.400$.

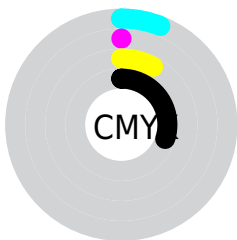
Distribution



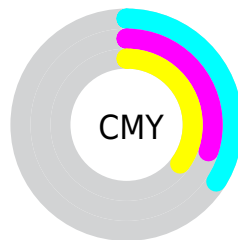
- Red (66%)
- Green (71%)
- Blue (65%)



- Red (65%)
- Yellow (71%)
- Blue (69%)



- Cyan (6%)
- Magenta (0%)
- Yellow (8%)
- Black (30%)



- Cyan (34%)
- Magenta (30%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 8.700, 138.058 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 72, 8.700, 138.058 by changing the saturation by 10% instead.

■ 72, 8.700, 138.058

■ 72, 8.700, 138.058

■ 100, 8.700,
138.058

■ 62, 8.700, 138.058

■ 92, 8.700, 138.058

■ 52, 8.700, 138.058

■ 42, 8.700, 138.058

■ 32, 8.700, 138.058

■ 22, 8.700, 138.058

■ 12, 8.700, 138.058

■ 2, 8.700, 138.058

■ 0, 8.700, 138.058

■ 72, 8.700, 138.058

■ 72, 8.700, 138.058

71, 19.962,
137.547

74, 2.464, 318.400

69, 31.212,
136.981

75, 13.460,
318.843

68, 42.305,
136.362

77, 24.237,
319.177

67, 53.043,
135.712

79, 34.763,
319.460

66, 63.156,
135.071

81, 44.772,
319.867

66, 72.287,
134.514

82, 46.895,
325.453

65, 79.989,
134.150

82, 47.157,
326.056

64, 85.793,
134.103

64, 89.510,

134.409

Harmonies

Complementary

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



72, 8.700, 138.058



69, 8.749, 318.698

Rectangle

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



72, 8.700, 138.058



72, 8.700, 188.058



72, 8.700, 318.058



72, 8.700, 8.058

Sweetspot

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



72, 8.702, 138.060



93, 2.758, 138.382



72, 6.047, 98.478



49, 1.566, 138.391



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



72, 8.702, 138.060



91, 12.497, 137.992



72, 7.614, 153.134



37, 6.298, 137.984



55, 79.979, 134.330



7, 15.440, 139.837

Inverse Universe

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



69, 8.749, 318.698



87, 12.570, 318.761



69, 7.648, 334.096



35, 6.335, 318.768



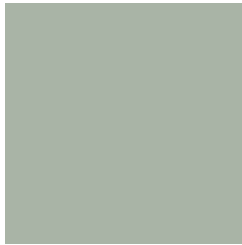
30, 80.564, 320.317



2, 14.856, 315.725

Previews

White Background



This preview shows how the CIELCh color 72, 8.700, 138.058 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 72, 8.700, 138.058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

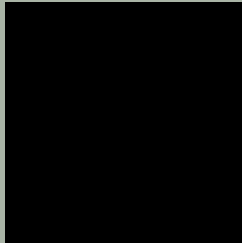
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

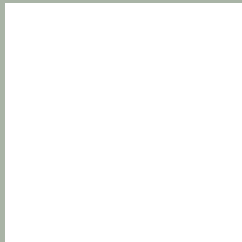
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 8.700, 138.058

Background



This preview shows how black text looks on a background with the CIELCh color 72, 8.700, 138.058.



This preview shows how white text looks on a background with the CIELCh color 72, 8.700, 138.058.

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

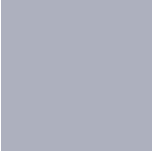
72, 8.700, 138.058

Protanopia

72, 6.894, 89.879

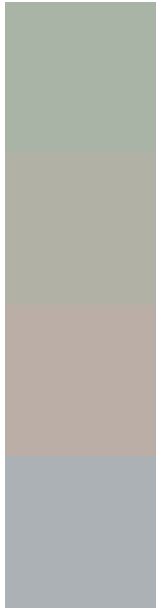
Deuteranopia

72, 10.540, 26.136



Tritanopia
72, 7.684, 282.836

Trichromacy



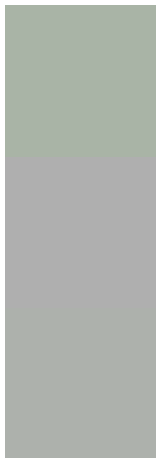
Original Color
72, 8.700, 138.058

Protanomaly
72, 6.505, 109.528

Deuteranomaly
72, 6.280, 56.794

Tritanomaly
72, 3.075, 244.612

Monochromacy



Original Color
72, 8.700, 138.058

Achromatopsia
71, 0.009, 296.813

Achromatomaly
72, 3.116, 138.750

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 8.700, 138.058 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, 180, 166)` looks like.

```
.text, #text, p{  
    color:rgb(169, 180, 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, 180, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 180, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 8.700, 138.058 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, 180, 166) }
```

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

```
.border{ border-color:rgb(169, 180, 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, 180, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 180, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 180, 166);  
box-shadow:4px 4px 4px 4px rgb(169, 180,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 8.700, 138.058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 180, 166) }
```

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

```
.background{ background-color: rgb(169,  
180, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor