

Converting Colors

CIELCh(68, 4.734, 0.136)

Have a look what the booklet for
CIELCh(68, 4.734, 0.136) contains.

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Color

CIELCh(68, 4.885, 0.060)

Conversions

Conversions Part 1

Format	Color
Hex	AFA3A6
RGB	175, 163, 166
RGB Percent	69%, 64%, 65%
CMY	0.3144, 0.3615, 0.3497
CMYK	0.00, 0.07, 0.05, 0.31
HSL	345°, 7%, 66%
HSV	345°, 7%, 69%
XYZ	37.5719, 37.9720, 41.3407
YIQ	166.9300, 6.1890, 3.4770

Conversions

Conversions Part 2

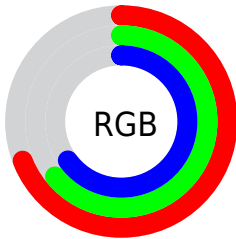
Format	Color
RYB	175, 163, 166
Decimal	11510694
CIELab	68.00, 4.88, 0.01
CIELCh	68, 4.885, 0.060
Yxy	37.9720, 0.3214, 0.3249
Android (android.graphics.Color)	4289700774 (0xFFAFA3A6)
YUV	166.9300, -0.4585, 7.0774
Hunter-Lab	61.6215, 0.9977, 3.3584

Details

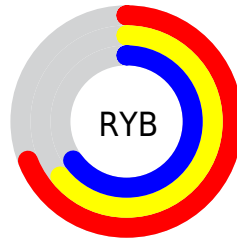
The CIELCh color **68, 4.885, 0.060** is a light color, and the websafe version is hex **999999**. A complement of this color would be **70, 4.769, 179.010**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 4.970, 1.345**, and **48, 5.241, 0.341** is the 20% darker color. If you saturate the color by 10%, you get **63, 12.275, 1.169**, and if you desaturate by 10%, it is **73, 2.175, 179.470**.

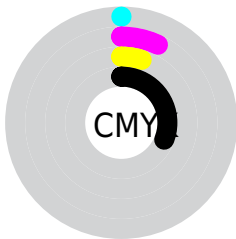
Distribution



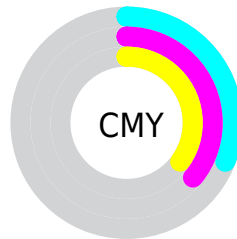
- Red (69%)
- Green (64%)
- Blue (65%)



- Red (69%)
- Yellow (64%)
- Blue (65%)



- Cyan (0%)
- Magenta (7%)
- Yellow (5%)
- Black (31%)



- Cyan (31%)
- Magenta (36%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 4.885, 0.060 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 68, 4.885, 0.060 by changing the saturation by 10% instead.

68, 4.885, 0.060

68, 4.885, 0.060

100, 4.885, 0.060

58, 4.885, 0.060

88, 4.885, 0.060

48, 4.885, 0.060

98, 4.885, 0.060

38, 4.885, 0.060

28, 4.885, 0.060

18, 4.885, 0.060

8, 4.885, 0.060

0, 4.885, 0.060

68, 4.885, 0.060

68, 4.885, 0.060

63, 12.275, 1.169

73, 2.175, 179.470

58, 19.955, 2.403

78, 8.887, 178.523

54, 27.827, 3.868

83, 15.263,
177.798

50, 35.723, 5.649

88, 21.323,
177.158

46, 43.397, 7.859

42, 50.533, 10.640

93, 27.091,
176.582

40, 56.818, 14.150

95, 26.672,
186.012

38, 62.062, 18.514

37, 66.380, 23.655

95, 25.435,
197.849

Harmonies

Complementary

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



68, 4.885, 0.060



70, 4.769, 179.010

Rectangle

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



68, 4.885, 0.060



68, 4.885, 50.060



68, 4.885, 180.060



68, 4.885, 230.060

Sweetspot

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



68, 4.883, 0.074



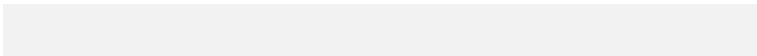
89, 1.743, 359.403



68, 7.454, 317.558



48, 0.999, 359.375



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



68, 4.883, 0.074



85, 7.061, 0.213



69, 3.819, 45.001



34, 4.025, 0.337



31, 60.353, 24.482



2, 8.167, 2.960

Inverse Universe

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



68, 4.883, 0.074



85, 7.061, 0.213



70, 3.674, 225.885



34, 4.025, 0.337



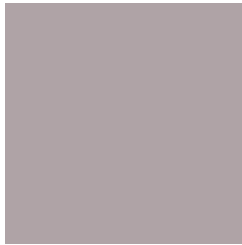
31, 60.353, 24.482



2, 8.167, 2.960

Previews

White Background



This preview shows how the CIELCh color 68, 4.885, 0.060 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 68, 4.885, 0.060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

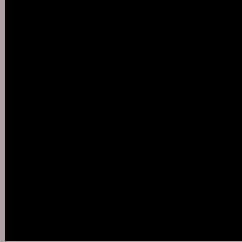
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

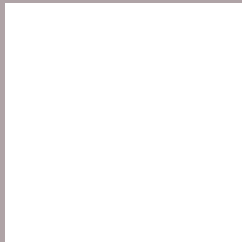
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 4.885, 0.060

Background



This preview shows how black text looks on a background with the CIELCh color 68, 4.885, 0.060.



This preview shows how white text looks on a background with the CIELCh color 68, 4.885, 0.060.

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


68, 4.885, 0.060

Protanopia

68, 1.596, 335.596

Deuteranopia

68, 8.726, 358.017



Tritanopia
68, 8.487, 329.045

Trichromacy



Original Color

68, 4.885, 0.060

Protanomaly

68, 2.830, 343.807

Deuteranomaly

68, 7.443, 358.411

Tritanomaly

68, 7.284, 337.213

Monochromacy



Original Color

68, 4.885, 0.060

Achromatopsia

68, 0.008, 296.813

Achromatomaly

68, 2.206, 349.492

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 4.885, 0.060 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(175, 163, 166)` looks like.

```
.text, #text, p{  
    color:rgb(175, 163, 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(175, 163, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 163, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 4.885, 0.060 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(175, 163, 166) }
```

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

```
.border{ border-color:rgb(175, 163, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 163, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 163, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 163, 166);  
box-shadow:4px 4px 4px 4px rgb(175, 163,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 4.885, 0.060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 163, 166) }
```

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

```
.background{ background-color: rgb(175,  
163, 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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