

Converting Colors

CIELCh(68, 4.474, 43.092)

Have a look what the booklet for
CIELCh(68, 4.474, 43.092) contains.

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Color

CIELCh(68, 4.435, 49.219)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | AEA4A0 |
| RGB | 174, 164, 160 |
| RGB Percent | 68%, 64%, 63% |
| CMY | 0.3185, 0.3577, 0.3734 |
| CMYK | 0.00, 0.06, 0.08, 0.32 |
| HSL | 17°, 8%, 65% |
| HSV | 17°, 8%, 68% |
| XYZ | 36.9645, 37.9720, 38.5352 |
| YIQ | 166.5340, 7.2440, 0.8760 |

Conversions

Conversions Part 2

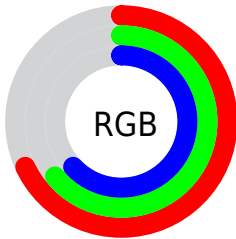
| Format | Color |
|-------------------------------------|--|
| RYB | 174, 166, 160 |
| Decimal | 11445408 |
| CIELab | 68.00, 2.90, 3.36 |
| CIELCh | 68, 4.435, 49.219 |
| Yxy | 37.9720, 0.3258, 0.3346 |
| Android (android.graphics.Color) | 4289635488 (0xFFAEA4A0) |
| YUV | 166.5340, -3.2213, 6.5477 |
| Hunter-Lab | 61.6215, -0.7618, 6.0578 |

Details

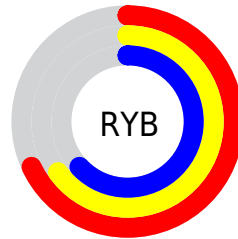
The CIELCh color **68, 4.435, 49.219** is a light color, and the websafe version is hex **999999**. A complement of this color would be **69, 4.248, 230.462**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 4.508, 46.987**, and **48, 4.516, 42.684** is the 20% darker color. If you saturate the color by 10%, you get **64, 10.327, 48.771**, and if you desaturate by 10%, it is **72, 1.037, 230.384**.

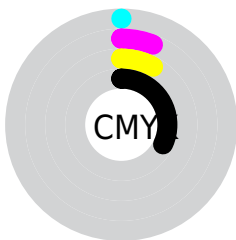
Distribution



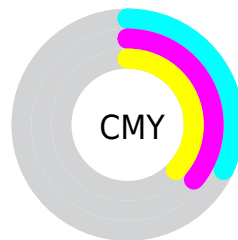
- Red (68%)
- Green (64%)
- Blue (63%)



- Red (68%)
- Yellow (65%)
- Blue (63%)



- Cyan (0%)
- Magenta (6%)
- Yellow (8%)
- Black (32%)



- Cyan (32%)
- Magenta (36%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 4.435, 49.219 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, 4.435, 49.219 by changing the saturation by 10% instead.

 68, 4.435, 49.219  68, 4.435, 49.219

 100, 4.435, 49.219  58, 4.435, 49.219

 88, 4.435, 49.219  48, 4.435, 49.219

 98, 4.435, 49.219  38, 4.435, 49.219

 28, 4.435, 49.219

 18, 4.435, 49.219

 8, 4.435, 49.219

 0, 4.435, 49.219

 68, 4.435, 49.219  68, 4.435, 49.219

 64, 10.327, 48.771  72, 1.037, 230.384

61, 16.681, 48.330

76, 6.134, 230.642

57, 23.531, 47.979

79, 10.898,
231.259

54, 30.892, 47.746

83, 15.369,
231.908

51, 38.742, 47.644

48, 46.982, 47.658

87, 19.584,
232.565

45, 55.364, 47.707

91, 21.827,
221.910

42, 63.316, 47.552

40, 70.002, 46.914

94, 24.353,
203.265

95, 25.725,
197.831

Harmonies

Complementary

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



68, 4.435, 49.219



69, 4.248, 230.462

Rectangle

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



68, 4.435, 49.219



68, 4.435, 99.219



68, 4.435, 229.219



68, 4.435, 279.219

Sweetspot

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



68, 4.435, 49.246



89, 1.335, 49.278



67, 7.696, 334.114



48, 0.765, 49.260



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, 4.435, 49.246



86, 6.897, 49.150



70, 6.085, 98.451



35, 3.127, 49.190



35, 63.849, 47.274



3, 6.508, 43.391

Inverse Universe

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



69, 4.248, 230.462



87, 6.523, 230.601



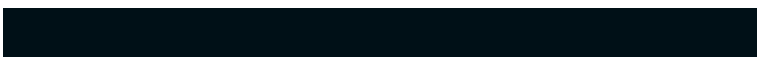
67, 6.142, 280.358



35, 2.973, 230.542



42, 32.123, 252.569



4, 6.428, 240.777

Previews

White Background



This preview shows how the CIELCh color 68, 4.435, 49.219 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 CIELCh color 68, 4.435, 49.219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

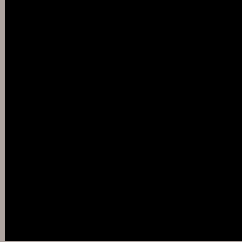
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

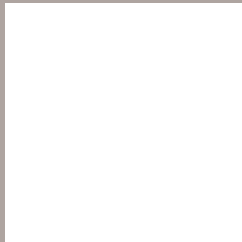
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 4.435, 49.219

Background



This preview shows how black text looks on a background with the CIELCh color 68, 4.435, 49.219.



This preview shows how white text looks on a background with the CIELCh color 68, 4.435, 49.219.

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, 4.435, 49.219

Protanopia

68, 3.336, 74.621

Deuteranopia

68, 9.369, 20.210



Tritanopia
68, 8.487, 329.045

Trichromacy



Original Color
68, 4.435, 49.219

Protanomaly
68, 3.572, 69.516

Deuteranomaly
68, 7.411, 24.239

Tritanomaly
68, 5.650, 344.144

Monochromacy



Original Color
68, 4.435, 49.219

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 1.613, 39.121

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 4.435, 49.219 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(174, 164, 160)` looks like.

```
.text, #text, p{  
    color:rgb(174, 164, 160)  
}
```

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(174, 164, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 164, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 4.435, 49.219 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(174, 164, 160) }
```

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

```
.border{ border-color:rgb(174, 164, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 164, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 164, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 164, 160);  
box-shadow:4px 4px 4px 4px rgb(174, 164,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 4.435, 49.219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 164, 160) }
```

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

```
.background{ background-color: rgb(174,  
164, 160) }
```

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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