

Converting Colors

CIELCh(68, 4.246, 70.196)

Have a look what the booklet for
CIELCh(68, 4.246, 70.196) contains.

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Color

CIELCh(68, 4.246, 70.196)

Conversions

Conversions Part 1

Format	Color
Hex	ACA59F
RGB	172, 165, 159
RGB Percent	67%, 65%, 62%
CMY	0.3271, 0.3546, 0.3781
CMYK	0.00, 0.04, 0.08, 0.33
HSL	28°, 7%, 65%
HSV	28°, 8%, 67%
XYZ	36.5232, 37.9720, 38.0172
YIQ	166.4090, 6.0980, -0.3820

Conversions

Conversions Part 2

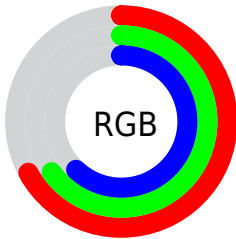
Format	Color
RYB	172, 170, 159
Decimal	11314591
CIELab	68.00, 1.44, 3.99
CIELCh	68, 4.246, 70.196
Yxy	37.9720, 0.3246, 0.3375
Android (android.graphics.Color)	4289504671 (0xFFACA59F)
YUV	166.4090, -3.6526, 4.9033
Hunter-Lab	61.6215, -2.0402, 6.5562

Details

The CIELCh color **68, 4.246, 70.196** is a light color, and the websafe version is hex **999999**. A complement of this color would be **68, 4.159, 252.169**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 4.013, 70.368**, and **48, 4.128, 64.815** is the 20% darker color. If you saturate the color by 10%, you get **65, 10.118, 69.119**, and if you desaturate by 10%, it is **71, 1.336, 251.712**.

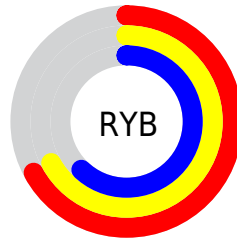
Distribution



Red (67%)

Green (65%)

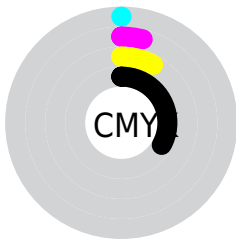
Blue (62%)



Red (67%)

Yellow (67%)

Blue (62%)

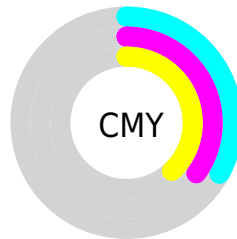


Cyan (0%)

Magenta (4%)

Yellow (8%)

Black (33%)



Cyan (33%)

Magenta (35%)

Yellow (38%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 4.246, 70.196 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, 4.246, 70.196 by changing the saturation by 10% instead.

 68, 4.246, 70.196  68, 4.246, 70.196

 100, 4.246, 70.196  58, 4.246, 70.196

 88, 4.246, 70.196  48, 4.246, 70.196

 98, 4.246, 70.196  38, 4.246, 70.196

 28, 4.246, 70.196

 18, 4.246, 70.196

 8, 4.246, 70.196

 0, 4.246, 70.196

 68, 4.246, 70.196  68, 4.246, 70.196

 65, 10.118, 69.119  71, 1.336, 251.712

62, 16.305, 67.975

74, 6.659, 252.618

60, 22.823, 66.827

77, 11.750,
253.685

57, 29.672, 65.684

80, 16.637,
254.732

54, 36.810, 64.538

52, 44.115, 63.356

83, 21.343,
255.746

49, 51.311, 62.048

86, 23.333,
251.154

47, 57.848, 60.415

45, 63.053, 58.232

88, 22.106,
236.222

90, 22.417,
220.868

93, 24.153,
207.002

Harmonies

Complementary

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



68, 4.246, 70.196



68, 4.159, 252.169

Rectangle

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



68, 4.246, 70.196



68, 4.246, 120.196



68, 4.246, 250.196



68, 4.246, 300.196

Sweetspot

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



68, 4.246, 70.224



88, 1.358, 70.624



67, 6.359, 341.587



47, 0.778, 70.618



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



68, 4.246, 70.224



85, 6.247, 70.056



70, 6.736, 107.351



35, 3.217, 70.040



39, 58.257, 58.213



4, 6.431, 61.078

Inverse Universe

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



68, 4.159, 252.169



85, 6.085, 252.362



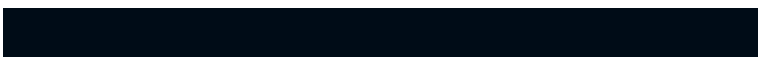
66, 6.849, 288.897



35, 3.132, 252.381



34, 44.423, 279.225



3, 7.153, 261.178

Previews

White Background



This preview shows how the CIELCh color 68, 4.246, 70.196 looks on a white background.

Color Contrast Check

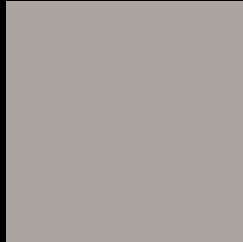
Large Text (above 18pt) WCAG AA × Fail

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, 4.246, 70.196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

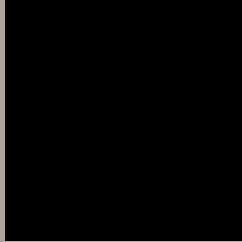
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 4.246, 70.196

Background



This preview shows how black text looks on a background with the CIELCh color 68, 4.246, 70.196.



This preview shows how white text looks on a background with the CIELCh color 68, 4.246, 70.196.

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, 4.246, 70.196

Protanopia

68, 3.801, 79.305

Deuteranopia

68, 9.407, 23.533



Tritanopia
68, 8.498, 322.698

Trichromacy



Original Color
68, 4.246, 70.196

Protanomaly
68, 4.011, 74.500

Deuteranomaly
68, 6.821, 33.834

Tritanomaly
68, 5.053, 338.991

Monochromacy



Original Color
68, 4.246, 70.196

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 1.574, 63.352

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 4.246, 70.196 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(172, 165, 159)` looks like.

```
.text, #text, p{  
    color:rgb(172, 165, 159)  
}
```

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(172, 165, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 165, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 4.246, 70.196 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(172, 165, 159) }
```

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

```
.border{ border-color:rgb(172, 165, 159) }
```

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

Here you see how a box with a 4 pixel rgb(172, 165, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 165, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 165, 159);  
box-shadow:4px 4px 4px 4px rgb(172, 165,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 4.246, 70.196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 165, 159) }
```

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

```
.background{ background-color: rgb(172,  
165, 159) }
```

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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