

Converting Colors

CIELCh(68, 4.102, 91.589)

Have a look what the booklet for
CIELCh(68, 4.102, 91.589) contains.

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Color

CIELCh(68, 4.128, 87.771)

Conversions

Conversions Part 1

Format	Color
Hex	A9A59E
RGB	169, 165, 158
RGB Percent	66%, 65%, 62%
CMY	0.3360, 0.3517, 0.3792
CMYK	0.00, 0.02, 0.06, 0.34
HSL	38°, 6%, 64%
HSV	38°, 6%, 66%
XYZ	36.1393, 37.9720, 37.9121
YIQ	165.3980, 4.6310, -1.3290

Conversions

Conversions Part 2

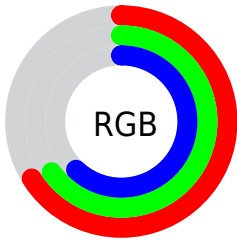
Format	Color
RYB	164, 169, 158
Decimal	11117982
CIELab	68.00, 0.16, 4.12
CIELCh	68, 4.128, 87.771
Yxy	37.9720, 0.3226, 0.3390
Android (android.graphics.Color)	4289308062 (0xFFA9A59E)
YUV	165.3980, -3.6472, 3.1590
Hunter-Lab	61.6215, -3.1521, 6.6574

Details

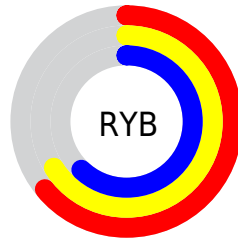
The CIELCh color **68, 4.128, 87.771** is a light color, and the websafe version is hex **999999**. A complement of this color would be **67, 4.127, 269.530**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 3.907, 87.941**, and **48, 3.888, 84.344** is the 20% darker color. If you saturate the color by 10%, you get **66, 10.625, 86.566**, and if you desaturate by 10%, it is **70, 2.209, 269.176**.

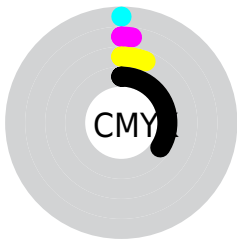
Distribution



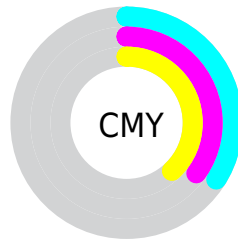
- Red (66%)
- Green (65%)
- Blue (62%)



- Red (64%)
- Yellow (66%)
- Blue (62%)



- Cyan (0%)
- Magenta (2%)
- Yellow (6%)
- Black (34%)



- Cyan (34%)
- Magenta (35%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 4.128, 87.771 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, 4.128, 87.771 by changing the saturation by 10% instead.

 68, 4.128, 87.771  68, 4.128, 87.771

 100, 4.128, 87.771  58, 4.128, 87.771

 88, 4.128, 87.771  48, 4.128, 87.771

 98, 4.128, 87.771  38, 4.128, 87.771


 28, 4.128, 87.771

 18, 4.128, 87.771

 8, 4.128, 87.771

 0, 4.128, 87.771

 68, 4.128, 87.771  68, 4.128, 87.771

 66, 10.625, 86.566  70, 2.209, 269.176

64, 17.278, 85.270

72, 8.395, 270.271

62, 24.075, 83.931

74, 14.442,
271.381

60, 30.975, 82.552

77, 20.360,
272.447

58, 37.884, 81.126

56, 44.624, 79.627

79, 26.160,
273.463

55, 50.859, 77.997

81, 29.450,
272.397

53, 56.045, 76.118

51, 59.569, 73.827

82, 27.036,
265.642

84, 25.053,
257.780

86, 23.598,
248.857

Harmonies

Complementary

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



68, 4.128, 87.771



67, 4.127, 269.530

Rectangle

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



68, 4.128, 87.771



68, 4.128, 137.771



68, 4.128, 267.771



68, 4.128, 317.771

Sweetspot

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



68, 4.129, 87.796



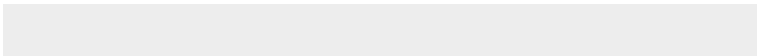
87, 1.553, 88.221



66, 4.786, 352.009



46, 0.881, 88.224



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



68, 4.129, 87.796



85, 6.288, 87.602



69, 6.048, 114.923



35, 3.592, 87.465



45, 54.962, 73.403



4, 6.042, 81.502

Inverse Universe

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



67, 4.127, 269.530



83, 6.274, 269.741



66, 6.145, 295.916



33, 3.580, 269.893



26, 60.896, 294.140



2, 6.857, 272.739

Previews

White Background



This preview shows how the CIELCh color 68, 4.128, 87.771 looks on a white background.

Color Contrast Check

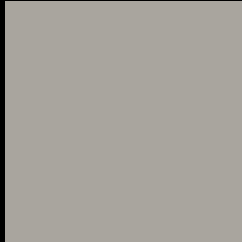
Large Text (above 18pt) WCAG AA × Fail

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, 4.128, 87.771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

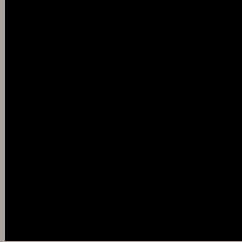
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

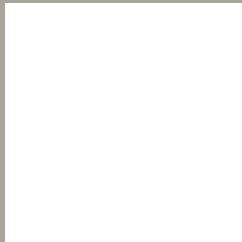
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 4.128, 87.771

Background



This preview shows how black text looks on a background with the CIELCh color 68, 4.128, 87.771.



This preview shows how white text looks on a background with the CIELCh color 68, 4.128, 87.771.

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, 4.128, 87.771

Protanopia

68, 4.286, 82.935

Deuteranopia

68, 9.407, 23.533



Tritanopia
68, 7.950, 315.772

Trichromacy



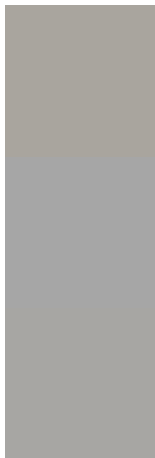
Original Color
68, 4.128, 87.771

Protanomaly
68, 4.286, 82.935

Deuteranomaly
68, 6.821, 33.834

Tritanomaly
68, 4.256, 328.788

Monochromacy



Original Color
68, 4.128, 87.771

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 1.680, 96.861

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 4.128, 87.771 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, 165, 158)` looks like.

```
.text, #text, p{  
    color:rgb(169, 165, 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(169, 165, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 165, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 4.128, 87.771 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, 165, 158) }
```

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

```
.border{ border-color:rgb(169, 165, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 165, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 165, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 165, 158);  
box-shadow:4px 4px 4px 4px rgb(169, 165,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 4.128, 87.771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 165, 158) }
```

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

```
.background{ background-color: rgb(169,  
165, 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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