

Converting Colors

CIELCh(68, 1.142, 19.090)

Have a look what the booklet for
CIELCh(68, 1.142, 19.090) contains.

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Color

CIELCh(68, 1.140, 19.087)

Conversions

Conversions Part 1

Format	Color
Hex	A8A5A5
RGB	168, 165, 165
RGB Percent	66%, 65%, 65%
CMY	0.3410, 0.3528, 0.3528
CMYK	0.00, 0.02, 0.02, 0.34
HSL	0°, 2%, 65%
HSV	0°, 2%, 66%
XYZ	36.4144, 37.9720, 41.0266
YIQ	165.8970, 1.7880, 0.6360

Conversions

Conversions Part 2

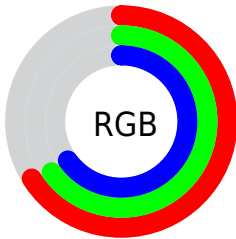
Format	Color
RYB	168, 165, 165
Decimal	11052453
CIELab	68.00, 1.08, 0.37
CIElCh	68, 1.140, 19.087
Yxy	37.9720, 0.3155, 0.3290
Android (android.graphics.Color)	4289242533 (0xFFA8A5A5)
YUV	165.8970, -0.4422, 1.8443
Hunter-Lab	61.6215, -2.3553, 3.6606

Details

The CIELCh color **68, 1.140, 19.087** is a light color, and the websafe version is hex **999999**. A complement of this color would be **69, 1.125, 199.821**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 1.080, 18.934**, and **48, 1.223, 19.251** is the 20% darker color. If you saturate the color by 10%, you get **63, 7.813, 20.180**, and if you desaturate by 10%, it is **73, 5.039, 199.180**.

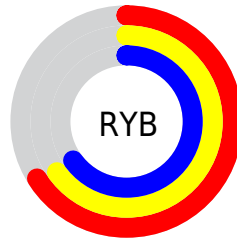
Distribution



Red (66%)

Green (65%)

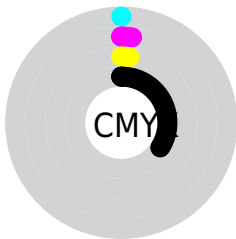
Blue (65%)



Red (66%)

Yellow (65%)

Blue (65%)

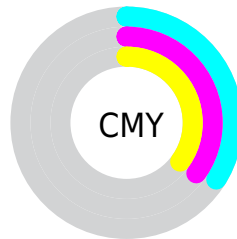


Cyan (0%)

Magenta (2%)

Yellow (2%)

Black (34%)



Cyan (34%)

Magenta (35%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 1.140, 19.087 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, 1.140, 19.087 by changing the saturation by 10% instead.

■ 68, 1.140, 19.087

■ 68, 1.140, 19.087

■ 100, 1.140, 19.087

■ 58, 1.140, 19.087

■ 88, 1.140, 19.087

■ 48, 1.140, 19.087

■ 98, 1.140, 19.087

■ 38, 1.140, 19.087

■ 28, 1.140, 19.087

■ 18, 1.140, 19.087

■ 8, 1.140, 19.087

■ 0, 1.140, 19.087

■ 68, 1.140, 19.087

■ 68, 1.140, 19.087

■ 63, 7.813, 20.180

■ 73, 5.039, 199.180

58, 15.012, 21.044

78, 10.762,
198.724

54, 22.735, 22.138

83, 16.079,
198.385

49, 30.936, 23.555

45, 39.502, 25.398

88, 21.037,
198.116

42, 48.238, 27.770

93, 25.680,
197.897

39, 56.869, 30.730

37, 64.996, 34.165

95, 27.281,
197.736

35, 71.868, 37.542

Harmonies

Complementary

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



68, 1.140, 19.087



69, 1.125, 199.821

Rectangle

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



68, 1.140, 19.087



68, 1.140, 69.087



68, 1.140, 199.087



68, 1.140, 249.087

Sweetspot

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



68, 1.139, 19.167



87, 0.791, 18.801



68, 2.019, 324.426



46, 0.449, 18.753



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, 1.139, 19.167



86, 1.586, 19.235



68, 0.989, 74.882



35, 0.723, 19.188



30, 69.013, 39.375



1, 6.566, 19.475

Inverse Universe

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



69, 1.125, 199.821



87, 1.565, 199.754



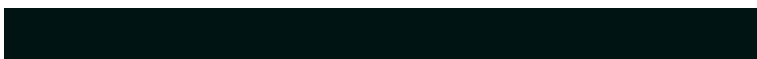
68, 0.998, 255.955



36, 0.714, 199.800



55, 33.341, 196.534



5, 6.562, 199.538

Previews

White Background



This preview shows how the CIELCh color 68, 1.140, 19.087 looks on a white background.

Color Contrast Check

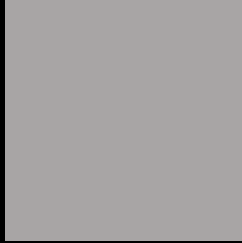
Large Text (above 18pt) WCAG AA × Fail

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, 1.140, 19.087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

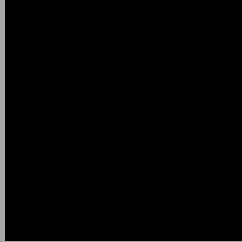
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

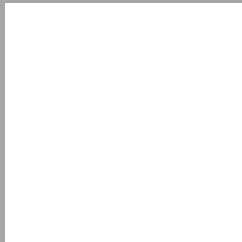
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 1.140, 19.087

Background



This preview shows how black text looks on a background with the CIELCh color 68, 1.140, 19.087.

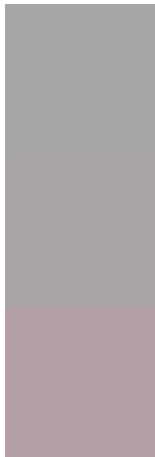


This preview shows how white text looks on a background with the CIELCh color 68, 1.140, 19.087.

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, 1.140, 19.087

Protanopia

68, 1.522, 19.226

Deuteranopia

68, 8.726, 358.017



Tritanopia
68, 7.662, 310.698

Trichromacy



Original Color

68, 1.140, 19.087

Protanomaly

68, 1.522, 19.226

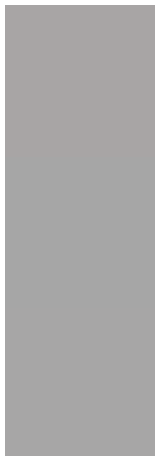
Deuteranomaly

68, 5.803, 357.624

Tritanomaly

68, 4.817, 313.471

Monochromacy



Original Color

68, 1.140, 19.087

Achromatopsia

68, 0.008, 296.813

Achromatomaly

68, 0.380, 18.173

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 1.140, 19.087 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(168, 165, 165)` looks like.

```
.text, #text, p{  
    color:rgb(168, 165, 165)  
}
```

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(168, 165, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 165, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 1.140, 19.087 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(168, 165, 165) }
```

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

```
.border{ border-color:rgb(168, 165, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 165, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 165, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 165, 165);  
box-shadow:4px 4px 4px 4px rgb(168, 165,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 1.140, 19.087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 165, 165) }
```

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

```
.background{ background-color: rgb(168,  
165, 165) }
```

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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