

Converting Colors

CIELCh(68, 1.577, 15.323)

Have a look what the booklet for
CIELCh(68, 1.577, 15.323) contains.

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Color

CIELCh(68, 1.522, 19.226)

Conversions

Conversions Part 1

Format	Color
Hex	A9A5A5
RGB	169, 165, 165
RGB Percent	66%, 65%, 65%
CMY	0.3379, 0.3536, 0.3536
CMYK	0.00, 0.02, 0.02, 0.34
HSL	0°, 2%, 65%
HSV	0°, 2%, 66%
XYZ	36.5227, 37.9720, 40.9173
YIQ	166.1960, 2.3840, 0.8480

Conversions

Conversions Part 2

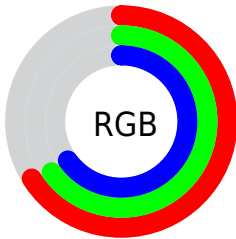
Format	Color
R _Y B	169, 165, 165
Decimal	11117989
CIE Lab	68.00, 1.44, 0.50
CIE LCh	68, 1.522, 19.226
Yxy	37.9720, 0.3165, 0.3290
Android (android.graphics.Color)	4289308069 (0xFFA9A5A5)
YUV	166.1960, -0.5896, 2.4591
Hunter-Lab	61.6215, -2.0414, 3.7658

Details

The CIELCh color **68, 1.522, 19.226** is a light color, and the websafe version is hex **999999**. A complement of this color would be **69, 1.497, 199.662**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 1.441, 19.097**, and **48, 1.633, 19.373** is the 20% darker color. If you saturate the color by 10%, you get **63, 8.252, 20.207**, and if you desaturate by 10%, it is **73, 4.710, 199.192**.

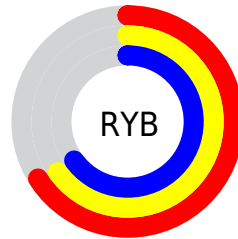
Distribution



Red (66%)

Green (65%)

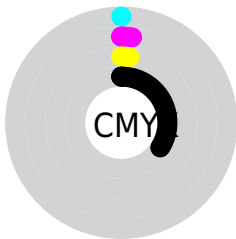
Blue (65%)



Red (66%)

Yellow (65%)

Blue (65%)

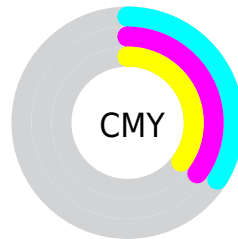


Cyan (0%)

Magenta (2%)

Yellow (2%)

Black (34%)



Cyan (34%)

Magenta (35%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 1.522, 19.226 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, 1.522, 19.226 by changing the saturation by 10% instead.

 68, 1.522, 19.226  68, 1.522, 19.226

 100, 1.522, 19.226  58, 1.522, 19.226

 88, 1.522, 19.226  48, 1.522, 19.226

 98, 1.522, 19.226  38, 1.522, 19.226

 28, 1.522, 19.226

 18, 1.522, 19.226

 8, 1.522, 19.226

 0, 1.522, 19.226

 68, 1.522, 19.226  68, 1.522, 19.226

 63, 8.252, 20.207  73, 4.710, 199.192

58, 15.511, 21.083

78, 10.482,
198.725

54, 23.296, 22.195

83, 15.843,
198.380

49, 31.556, 23.636

45, 40.171, 25.511

88, 20.840,
198.107

42, 48.944, 27.921

93, 25.518,
197.885

39, 57.588, 30.919

37, 65.696, 34.376

95, 27.071,
197.749

35, 72.472, 37.721

Harmonies

Complementary

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



68, 1.522, 19.226



69, 1.497, 199.662

Rectangle

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



68, 1.522, 19.226



68, 1.522, 69.226



68, 1.522, 199.226



68, 1.522, 249.226

Sweetspot

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



68, 1.521, 19.286



87, 0.791, 18.781



68, 2.690, 324.485



46, 0.449, 18.733



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, 1.521, 19.286



86, 2.389, 19.399



69, 1.322, 74.894



35, 1.457, 19.483



30, 69.017, 39.371



1, 6.568, 19.457

Inverse Universe

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



69, 1.497, 199.662



87, 2.343, 199.553



68, 1.327, 255.947



35, 1.423, 199.473



55, 33.353, 196.497



5, 6.565, 199.509

Previews

White Background



This preview shows how the CIELCh color 68, 1.522, 19.226 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, 1.522, 19.226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

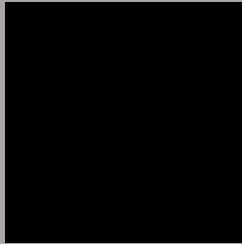
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

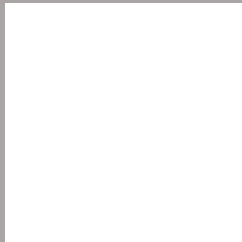
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 1.522, 19.226

Background



This preview shows how black text looks on a background with the CIELCh color 68, 1.522, 19.226.

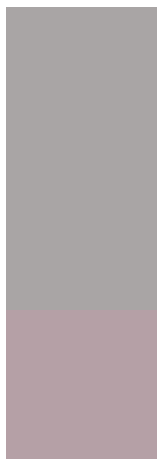


This preview shows how white text looks on a background with the CIELCh color 68, 1.522, 19.226.

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, 1.522, 19.226

Protanopia

68, 1.522, 19.226

Deuteranopia

68, 8.726, 358.017



Tritanopia
68, 7.662, 310.698

Trichromacy



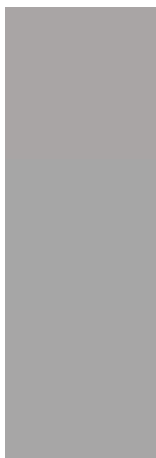
Original Color
68, 1.522, 19.226

Protanomaly
68, 1.522, 19.226

Deuteranomaly
68, 6.162, 359.033

Tritanomaly
68, 4.978, 317.454

Monochromacy



Original Color
68, 1.522, 19.226

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, 1.522, 19.226 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, 165)` looks like.

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

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

Border

The CSS property to change the border of an element to CIELCh 68, 1.522, 19.226 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, 165) }
```

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

```
.border{ border-color:rgb(169, 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(169, 165, 165)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 68, 1.522, 19.226 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, 165) }
```

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

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