

Converting Colors

CIELCh(69, 1.868, 24.191)

Have a look what the booklet for
CIELCh(69, 1.868, 24.191) contains.

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Color

CIELCh(69, 1.900, 19.318)

Conversions

Conversions Part 1

Format	Color
Hex	ACA7A7
RGB	172, 167, 167
RGB Percent	67%, 65%, 65%
CMY	0.3244, 0.3440, 0.3440
CMYK	0.00, 0.03, 0.03, 0.32
HSL	0°, 3%, 67%
HSV	0°, 3%, 68%
XYZ	37.9474, 39.3444, 42.2905
YIQ	168.4950, 2.9800, 1.0600

Conversions

Conversions Part 2

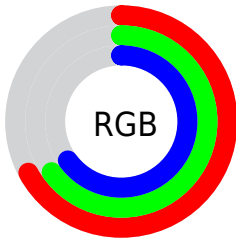
Format	Color
RYB	172, 167, 167
Decimal	11315111
CIELab	69.00, 1.79, 0.63
CIElCh	69, 1.900, 19.318
Yxy	39.3444, 0.3173, 0.3290
Android (android.graphics.Color)	4289505191 (0xFFACA7A7)
YUV	168.4950, -0.7370, 3.0739
Hunter-Lab	62.7251, -1.7801, 3.9331

Details

The CIELCh color **69, 1.900, 19.318** is a light color, and the websafe version is hex **999999**. A complement of this color would be **70, 1.864, 199.562**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 1.800, 19.202**, and **49, 2.037, 19.459** is the 20% darker color. If you saturate the color by 10%, you get **64, 8.772, 20.241**, and if you desaturate by 10%, it is **74, 4.463, 199.213**.

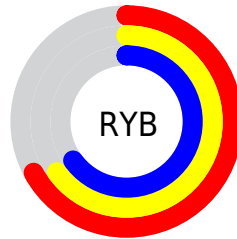
Distribution



Red (67%)

Green (65%)

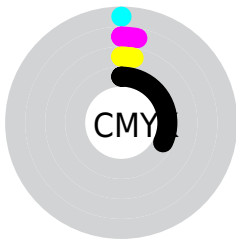
Blue (65%)



Red (67%)

Yellow (65%)

Blue (65%)

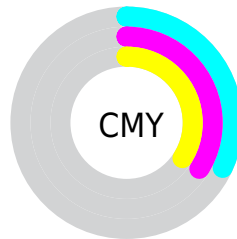


Cyan (0%)

Magenta (3%)

Yellow (3%)

Black (32%)



Cyan (32%)

Magenta (34%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 1.900, 19.318 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 69, 1.900, 19.318 by changing the saturation by 10% instead.

■ 69, 1.900, 19.318 ■ 69, 1.900, 19.318

■ 100, 1.900, 19.318 ■ 59, 1.900, 19.318

■ 89, 1.900, 19.318 ■ 49, 1.900, 19.318

■ 99, 1.900, 19.318 ■ 39, 1.900, 19.318

■ 29, 1.900, 19.318

■ 19, 1.900, 19.318

■ 9, 1.900, 19.318

■ 0, 1.900, 19.318

■ 69, 1.900, 19.318 ■ 69, 1.900, 19.318

■ 64, 8.772, 20.241 ■ 74, 4.463, 199.213

59, 16.184, 21.130

79, 10.355,
198.733

55, 24.129, 22.260

84, 15.825,
198.384

50, 32.553, 23.727

46, 41.329, 25.635

89, 20.924,
198.107

43, 50.249, 28.086

94, 25.695,
197.882

40, 59.017, 31.126

37, 67.202, 34.608

95, 26.133,
197.806

36, 73.950, 37.914

Harmonies

Complementary

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



69, 1.900, 19.318



70, 1.864, 199.562

Rectangle

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



69, 1.900, 19.318



69, 1.900, 69.318



69, 1.900, 199.318



69, 1.900, 249.318

Sweetspot

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



69, 1.899, 19.367



89, 0.806, 18.772



69, 3.351, 324.530



47, 0.458, 18.725



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



69, 1.899, 19.367



87, 2.434, 19.389



70, 1.650, 74.876



36, 1.494, 19.474



31, 69.974, 39.456



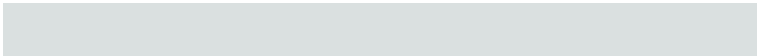
2, 7.798, 19.446

Inverse Universe

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



70, 1.864, 199.562



89, 2.387, 199.541



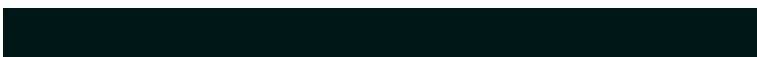
69, 1.651, 255.968



37, 1.459, 199.460



56, 33.779, 196.478



6, 7.794, 199.497

Previews

White Background



This preview shows how the CIELCh color 69, 1.900, 19.318 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 69, 1.900, 19.318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

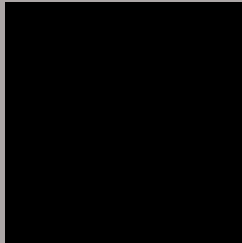
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

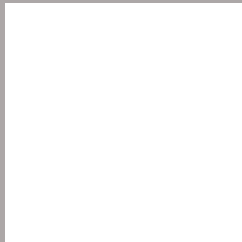
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 1.900, 19.318

Background



This preview shows how black text looks on a background with the CIELCh color 69, 1.900, 19.318.

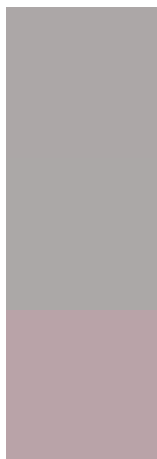


This preview shows how white text looks on a background with the CIELCh color 69, 1.900, 19.318.

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

69, 1.900, 19.318

Protanopia

69, 1.255, 44.943

Deuteranopia

69, 8.887, 2.278



Tritanopia
69, 7.773, 313.273

Trichromacy



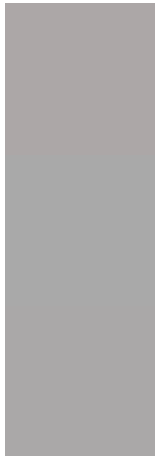
Original Color
69, 1.900, 19.318

Protanomaly
69, 1.255, 44.943

Deuteranomaly
69, 5.975, 3.937

Tritanomaly
69, 5.628, 318.329

Monochromacy



Original Color
69, 1.900, 19.318

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 0.757, 18.831

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 1.900, 19.318 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, 167, 167)` looks like.

```
.text, #text, p{  
    color:rgb(172, 167, 167)  
}
```

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, 167, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 167, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 1.900, 19.318 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, 167, 167) }
```

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

```
.border{ border-color:rgb(172, 167, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 167, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 167, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 167, 167);  
box-shadow:4px 4px 4px 4px rgb(172, 167,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 1.900, 19.318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 167, 167) }
```

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

```
.background{ background-color: rgb(172,  
167, 167) }
```

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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