

Converting Colors

CIELCh(70, 1.562, 193.727)

Have a look what the booklet for
CIELCh(70, 1.562, 193.727) contains.

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Color

CIELCh(70, 1.494, 199.608)

Conversions

Conversions Part 1

Format	Color
Hex	A8ACAC
RGB	168, 172, 172
RGB Percent	66%, 67%, 67%
CMY	0.3416, 0.3259, 0.3259
CMYK	0.02, 0.00, 0.00, 0.33
HSL	180°, 2%, 67%
HSV	180°, 2%, 67%
XYZ	38.2916, 40.7494, 44.8208
YIQ	170.8040, -2.3840, -0.8480

Conversions

Conversions Part 2

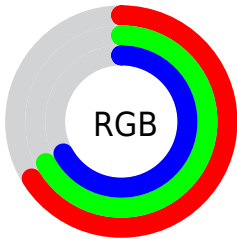
Format	Color
RYB	168, 170, 172
Decimal	11054252
CIELab	70.00, -1.41, -0.50
CIELCh	70, 1.494, 199.608
Yxy	40.7494, 0.3091, 0.3290
Android (android.graphics.Color)	4289244332 (0xFFA8ACAC)
YUV	170.8040, 0.5896, -2.4591
Hunter-Lab	63.8353, -4.6384, 3.0553

Details

The CIELCh color **70, 1.494, 199.608** is a light color, and the websafe version is hex **999999**. A complement of this color would be **69, 1.518, 19.160**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 1.420, 199.734**, and **50, 1.592, 199.467** is the 20% darker color. If you saturate the color by 10%, you get **69, 7.732, 198.751**, and if you desaturate by 10%, it is **71, 5.024, 19.681**.

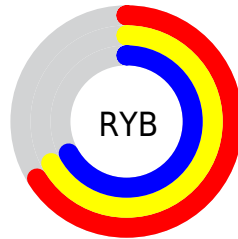
Distribution



Red (66%)

Green (67%)

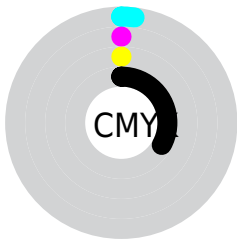
Blue (67%)



Red (66%)

Yellow (67%)

Blue (67%)

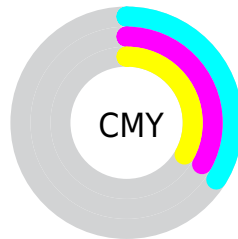


Cyan (2%)

Magenta (0%)

Yellow (0%)

Black (33%)



Cyan (34%)

Magenta (33%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 1.494, 199.608 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 70, 1.494, 199.608 by changing the saturation by 10% instead.

■ 70, 1.494, 199.608

■ 70, 1.494, 199.608

■ 100, 1.494,
199.608

■ 60, 1.494, 199.608

■ 90, 1.494, 199.608

■ 50, 1.494, 199.608

■ 40, 1.494, 199.608

■ 30, 1.494, 199.608

■ 20, 1.494, 199.608

■ 10, 1.494, 199.608

■ 0, 1.494, 199.608

■ 70, 1.494, 199.608

■ 70, 1.494, 199.608

■ 69, 7.732, 198.751

■ 71, 5.024, 19.681

68, 13.592,
198.232

73, 11.744, 20.324

67, 18.977,
197.777

75, 18.595, 20.942

66, 23.785,
197.380

76, 25.519, 21.563

65, 27.923,
197.044

78, 32.941, 22.218

65, 31.318,
196.770

78, 32.940, 22.207

64, 33.927,
196.560

78, 32.939, 22.196

64, 35.746,
196.413

78, 32.938, 22.185

64, 36.822,
196.321

Harmonies

Complementary

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



70, 1.494, 199.608



69, 1.518, 19.160

Rectangle

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



70, 1.494, 199.608



70, 1.494, 249.608



70, 1.494, 19.608



70, 1.494, 69.608

Sweetspot

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



70, 1.495, 199.547



89, 0.799, 200.043



70, 2.654, 143.960



47, 0.454, 200.090



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



70, 1.495, 199.547



89, 2.389, 199.430



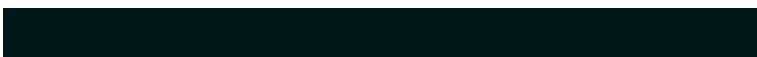
69, 1.308, 254.126



37, 1.460, 199.348



56, 33.825, 196.278



6, 7.801, 199.333

Inverse Universe

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



69, 1.518, 19.160



87, 2.436, 19.280



70, 1.304, 73.060



36, 1.495, 19.365



31, 69.956, 39.418



2, 7.802, 19.356

Previews

White Background



This preview shows how the CIELCh color 70, 1.494, 199.608 looks on a white background.

Color Contrast Check

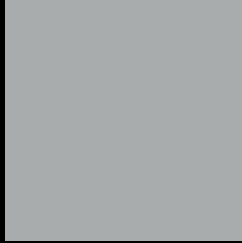
Large Text (above 18pt) WCAG AA × Fail

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 70, 1.494, 199.608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

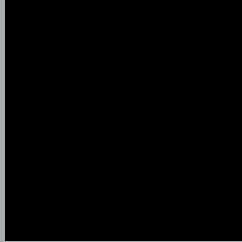
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

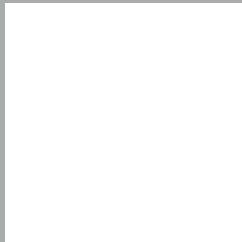
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 1.494, 199.608

Background



This preview shows how black text looks on a background with the CIELCh color 70, 1.494, 199.608.

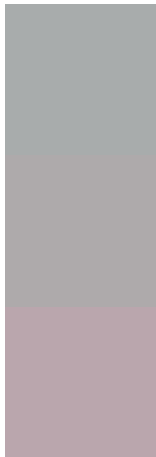


This preview shows how white text looks on a background with the CIELCh color 70, 1.494, 199.608.

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


70, 1.494, 199.608

Protanopia

70, 1.615, 359.449

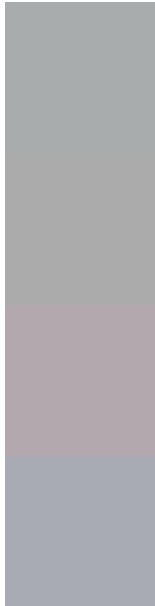
Deuteranopia

70, 8.531, 353.543



Tritanopia
70, 7.674, 290.949

Trichromacy



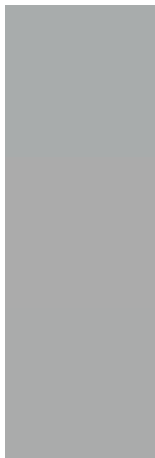
Original Color
70, 1.494, 199.608

Protanomaly
70, 0.378, 18.137

Deuteranomaly
70, 4.999, 346.618

Tritanomaly
70, 4.974, 282.194

Monochromacy



Original Color
70, 1.494, 199.608

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 0.374, 200.685

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 1.494, 199.608 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, 172, 172)` looks like.

```
.text, #text, p{  
    color:rgb(168, 172, 172)  
}
```

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, 172, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 172, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 1.494, 199.608 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, 172, 172) }
```

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

```
.border{ border-color:rgb(168, 172, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 172, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 172, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 172, 172);  
box-shadow:4px 4px 4px 4px rgb(168, 172,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 1.494, 199.608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 172, 172) }
```

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

```
.background{ background-color: rgb(168,  
172, 172) }
```

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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