

Converting Colors

CIELCh(70, 4.790, 199.105)

Have a look what the booklet for
CIELCh(70, 4.790, 199.105) contains.

CIELCh(70, 4.790, 199.105)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(70, 4.790, 199.105)

Conversions

Conversions Part 1

Format	Color
Hex	A1AEAE
RGB	161, 174, 174
RGB Percent	63%, 68%, 68%
CMY	0.3698, 0.3188, 0.3188
CMYK	0.07, 0.00, 0.00, 0.32
HSL	180°, 7%, 66%
HSV	180°, 7%, 68%
XYZ	37.3296, 40.7494, 45.7915
YIQ	170.1130, -7.7480, -2.7560

Conversions

Conversions Part 2

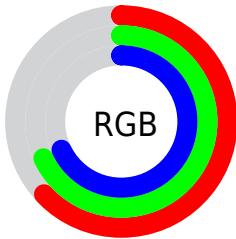
Format	Color
RYB	161, 168, 174
Decimal	10596014
CIELab	70.00, -4.53, -1.57
CIELCh	70, 4.790, 199.105
Yxy	40.7494, 0.3014, 0.3290
Android (android.graphics.Color)	4288786094 (0xFFA1AEAE)
YUV	170.1130, 1.9163, -7.9921
Hunter-Lab	63.8353, -7.3284, 2.1537

Details

The CIELCh color **70, 4.790, 199.105** is a light color, and the websafe version is hex **999999**. A complement of this color would be **67, 5.018, 19.749**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 4.569, 199.225**, and **50, 5.075, 198.928** is the 20% darker color. If you saturate the color by 10%, you get **69, 10.897, 198.519**, and if you desaturate by 10%, it is **71, 1.648, 19.228**.

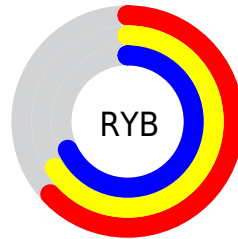
Distribution



Red (63%)

Green (68%)

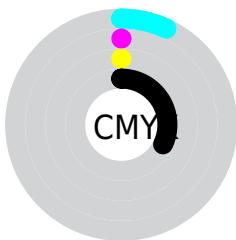
Blue (68%)



Red (63%)

Yellow (66%)

Blue (68%)

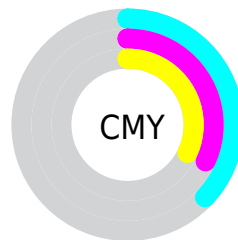


Cyan (7%)

Magenta (0%)

Yellow (0%)

Black (32%)



Cyan (37%)

Magenta (32%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 4.790, 199.105 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, 4.790, 199.105 by changing the saturation by 10% instead.

■ 70, 4.790, 199.105

■ 70, 4.790, 199.105

■ 100, 4.790,
199.105

■ 60, 4.790, 199.105

■ 90, 4.790, 199.105

■ 50, 4.790, 199.105

■ 40, 4.790, 199.105

■ 30, 4.790, 199.105

■ 20, 4.790, 199.105

■ 10, 4.790, 199.105

■ 0, 4.790, 199.105

■ 70, 4.790, 199.105

■ 70, 4.790, 199.105

■ 69, 10.897,

■ 71, 1.648, 19.228

198.519

73, 8.332, 20.043

68, 16.572,
198.037

74, 15.182, 20.665

67, 21.713,
197.614

76, 22.135, 21.284

66, 26.221,
197.250

78, 29.139, 21.906

65, 30.011,
196.949

79, 32.141, 22.167

65, 33.024,
196.713

79, 32.141, 22.164

65, 35.236,
196.540

79, 32.140, 22.161

64, 36.668,
196.428

64, 37.431,
196.368

Harmonies

Complementary

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



70, 4.790, 199.105



67, 5.018, 19.749

Rectangle

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



70, 4.790, 199.105



70, 4.790, 249.105



70, 4.790, 19.105



70, 4.790, 69.105

Sweetspot

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



70, 4.791, 199.087



90, 1.610, 199.653



70, 8.651, 143.608



48, 0.923, 199.681



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



70, 4.791, 199.087



89, 7.133, 198.980



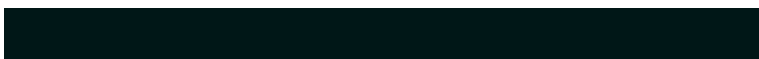
68, 4.215, 254.600



36, 3.603, 198.971



56, 33.812, 196.355



6, 7.801, 199.396

Inverse Universe

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



67, 5.018, 19.749



85, 7.550, 19.882



69, 4.290, 72.633



34, 3.818, 19.893



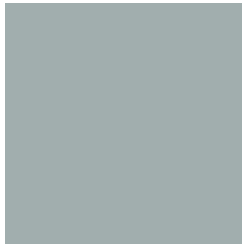
31, 69.975, 39.438



2, 7.802, 19.391

Previews

White Background



This preview shows how the CIELCh color 70, 4.790, 199.105 looks on a white background.

Color Contrast Check

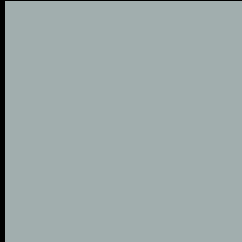
Large Text (above 18pt) WCAG AA × Fail

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, 4.790, 199.105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

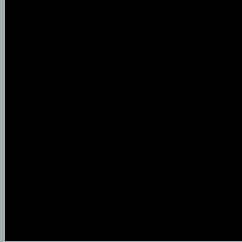
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

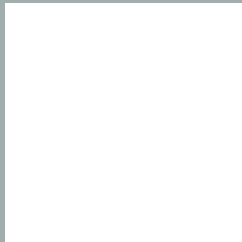
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 4.790, 199.105

Background



This preview shows how black text looks on a background with the CIELCh color 70, 4.790, 199.105.



This preview shows how white text looks on a background with the CIELCh color 70, 4.790, 199.105.

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, 4.790, 199.105

Protanopia

70, 1.877, 343.640

Deuteranopia

70, 8.738, 345.923



Tritanopia
70, 8.251, 267.909

Trichromacy



Original Color
70, 4.790, 199.105

Protanomaly
70, 1.321, 255.946

Deuteranomaly
70, 4.234, 328.780

Tritanomaly
70, 6.265, 251.229

Monochromacy



Original Color
70, 4.790, 199.105

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 1.495, 199.606

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 4.790, 199.105 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(161, 174, 174)` looks like.

```
.text, #text, p{  
    color:rgb(161, 174, 174)  
}
```

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(161, 174, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 174, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 4.790, 199.105 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(161, 174, 174) }
```

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

```
.border{ border-color:rgb(161, 174, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 174, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 174, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 174, 174);  
box-shadow:4px 4px 4px 4px rgb(161, 174,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 4.790, 199.105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 174, 174) }
```

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

```
.background{ background-color: rgb(161,  
174, 174) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor