

Converting Colors

CIELCh(70, 4.419, 109.032)

Have a look what the booklet for
CIELCh(70, 4.419, 109.032) contains.

CIELCh(70, 4.904, 109.673)	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, 4.904, 109.673)

Conversions

Conversions Part 1

Format	Color
Hex	ACACA3
RGB	172, 172, 163
RGB Percent	67%, 67%, 64%
CMY	0.3268, 0.3267, 0.3620
CMYK	0.00, 0.00, 0.05, 0.33
HSL	60°, 5%, 66%
HSV	60°, 5%, 67%
XYZ	38.2159, 40.7494, 40.3516
YIQ	170.9740, 2.8890, -2.7990

Conversions

Conversions Part 2

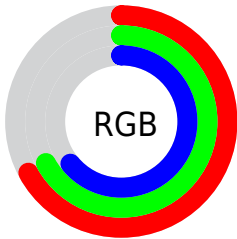
Format	Color
RYB	163, 172, 163
Decimal	11316387
CIELab	70.00, -1.65, 4.62
CIELCh	70, 4.904, 109.673
Yxy	40.7494, 0.3203, 0.3415
Android (android.graphics.Color)	4289506467 (0xFFACACA3)
YUV	170.9740, -3.9312, 0.8998
Hunter-Lab	63.8353, -4.8501, 7.2063

Details

The CIELCh color **70, 4.904, 109.673** is a light color, and the websafe version is hex **999999**. A complement of this color would be **67, 4.976, 290.716**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 4.655, 109.783**, and **50, 5.237, 109.484** is the 20% darker color. If you saturate the color by 10%, you get **70, 14.247, 108.743**, and if you desaturate by 10%, it is **70, 4.473, 290.649**.

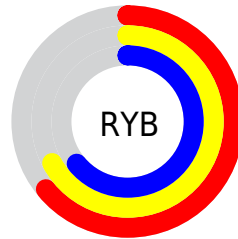
Distribution



Red (67%)

Green (67%)

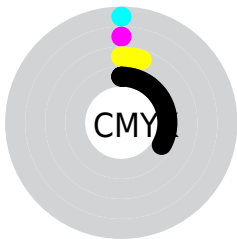
Blue (64%)



Red (64%)

Yellow (67%)

Blue (64%)

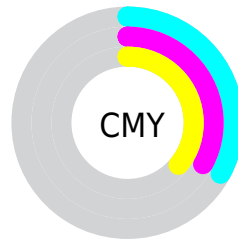


Cyan (0%)

Magenta (0%)

Yellow (5%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 4.904, 109.673 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, 4.904, 109.673 by changing the saturation by 10% instead.

■ 70, 4.904, 109.673

■ 70, 4.904, 109.673

■ 100, 4.904,
109.673

■ 60, 4.904, 109.673

■ 90, 4.904, 109.673

■ 50, 4.904, 109.673

■ 40, 4.904, 109.673

■ 30, 4.904, 109.673

■ 20, 4.904, 109.673

■ 10, 4.904, 109.673

■ 0, 4.904, 109.673

■ 70, 4.904, 109.673

■ 70, 4.904, 109.673

■ 70, 14.247,

■ 70, 4.473, 290.649

108.743

71, 13.852,
291.551

69, 23.497,
107.789

72, 23.209,
292.429

69, 32.575,
106.847

72, 32.526,
293.271

69, 41.354,
105.937

73, 41.788,
294.072

68, 49.638,
105.087

73, 45.267,
294.366

68, 57.141,
104.329

73, 45.267,
294.368

68, 63.478,
103.700

73, 45.267,
294.370

68, 68.215,
103.240

73, 45.267,
294.373

68, 71.050,
102.969

Harmonies

Complementary

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



70, 4.904, 109.673



67, 4.976, 290.716

Rectangle

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



70, 4.904, 109.673



70, 4.904, 159.673



70, 4.904, 289.673



70, 4.904, 339.673

Sweetspot

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



70, 4.906, 109.688



89, 2.322, 109.972



68, 3.452, 19.577



47, 1.318, 109.980



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, 4.906, 109.688



89, 6.982, 109.607



70, 5.221, 128.864



37, 3.739, 109.569



60, 65.376, 102.875



7, 11.345, 110.198

Inverse Universe

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



67, 4.976, 290.716



85, 7.092, 290.804



67, 5.271, 309.275



34, 3.801, 290.845



17, 90.270, 306.289



1, 11.347, 290.190

Previews

White Background



This preview shows how the CIELCh color 70, 4.904, 109.673 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, 4.904, 109.673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

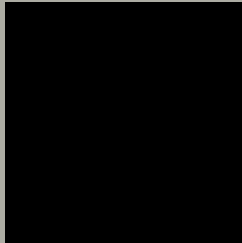
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

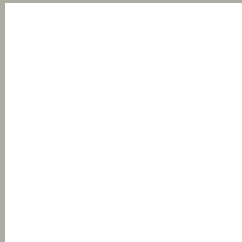
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 4.904, 109.673

Background



This preview shows how black text looks on a background with the CIELCh color 70, 4.904, 109.673.



This preview shows how white text looks on a background with the CIELCh color 70, 4.904, 109.673.

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, 4.904, 109.673

Protanopia

70, 4.926, 81.692

Deuteranopia

70, 9.744, 23.411



Tritanopia
70, 7.492, 308.026

Trichromacy



Original Color
70, 4.904, 109.673

Protanomaly
70, 5.032, 96.402

Deuteranomaly
70, 6.397, 34.647

Tritanomaly
70, 3.142, 318.875

Monochromacy



Original Color
70, 4.904, 109.673

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 1.631, 109.978

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 4.904, 109.673 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, 172, 163)` looks like.

```
.text, #text, p{  
    color:rgb(172, 172, 163)  
}
```

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, 172, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 172, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 4.904, 109.673 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, 172, 163) }
```

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

```
.border{ border-color:rgb(172, 172, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 172, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 172, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 172, 163);  
box-shadow:4px 4px 4px 4px rgb(172, 172,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 4.904, 109.673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 172, 163) }
```

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

```
.background{ background-color: rgb(172,  
172, 163) }
```

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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