

Converting Colors

CIELCh(70, 5.024, 109.787)

Have a look what the booklet for
CIELCh(70, 5.024, 109.787) contains.

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Color

CIELCh(70, 5.449, 109.620)

Conversions

Conversions Part 1

Format	Color
Hex	ACACA2
RGB	172, 172, 162
RGB Percent	67%, 67%, 64%
CMY	0.3265, 0.3265, 0.3657
CMYK	0.00, 0.00, 0.06, 0.33
HSL	60°, 6%, 65%
HSV	60°, 6%, 67%
XYZ	38.1604, 40.7494, 39.9193
YIQ	170.8600, 3.2100, -3.1100

Conversions

Conversions Part 2

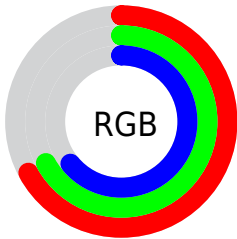
Format	Color
RYB	162, 172, 162
Decimal	11316386
CIELab	70.00, -1.83, 5.13
CIELCh	70, 5.449, 109.620
Yxy	40.7494, 0.3211, 0.3429
Android (android.graphics.Color)	4289506466 (0xFFACACA2)
YUV	170.8600, -4.3680, 0.9998
Hunter-Lab	63.8353, -5.0053, 7.6078

Details

The CIELCh color **70, 5.449, 109.620** is a light color, and the websafe version is hex **999999**. A complement of this color would be **67, 5.534, 290.774**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 5.173, 109.742**, and **50, 5.819, 109.408** is the 20% darker color. If you saturate the color by 10%, you get **70, 14.791, 108.687**, and if you desaturate by 10%, it is **70, 3.930, 290.596**.

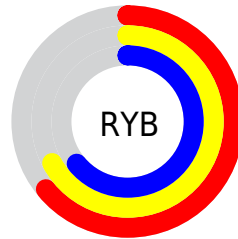
Distribution



Red (67%)

Green (67%)

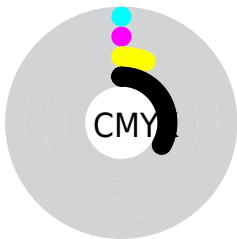
Blue (64%)



Red (64%)

Yellow (67%)

Blue (64%)

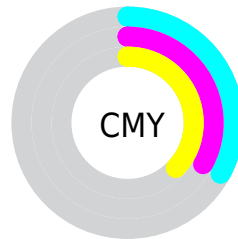


Cyan (0%)

Magenta (0%)

Yellow (6%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 5.449, 109.620 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, 5.449, 109.620 by changing the saturation by 10% instead.

■ 70, 5.449, 109.620

■ 70, 5.449, 109.620

■ 100, 5.449,
109.620

■ 60, 5.449, 109.620

■ 90, 5.449, 109.620

■ 50, 5.449, 109.620

■ 40, 5.449, 109.620

■ 30, 5.449, 109.620

■ 20, 5.449, 109.620

■ 10, 5.449, 109.620

■ 0, 5.449, 109.620

■ 70, 5.449, 109.620

■ 70, 5.449, 109.620

■ 70, 14.791,

■ 70, 3.930, 290.596

108.687

71, 13.313,
291.499

69, 24.037,
107.733

72, 22.675,
292.379

69, 33.105,
106.792

72, 31.997,
293.223

69, 41.863,
105.885

73, 41.266,
294.027

69, 50.113,
105.039

73, 45.228,
294.361

68, 57.563,
104.288

73, 45.228,
294.363

68, 63.820,
103.668

73, 45.228,
294.365

68, 68.454,
103.218

73, 45.228,
294.368

68, 71.191,
102.957

Harmonies

Complementary

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



70, 5.449, 109.620



67, 5.534, 290.774

Rectangle

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



70, 5.449, 109.620



70, 5.449, 159.620



70, 5.449, 289.620



70, 5.449, 339.620

Sweetspot

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



70, 5.451, 109.633



89, 2.322, 109.971



67, 3.843, 19.629



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, 5.451, 109.633



89, 8.146, 109.512



70, 5.802, 128.837



37, 4.273, 109.481



60, 65.376, 102.874



7, 11.345, 110.197

Inverse Universe

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



67, 5.534, 290.774



84, 8.288, 290.908



67, 5.860, 309.303



34, 4.351, 290.941



17, 90.270, 306.289



1, 11.347, 290.189

Previews

White Background



This preview shows how the CIELCh color 70, 5.449, 109.620 looks on a white background.

Color Contrast Check

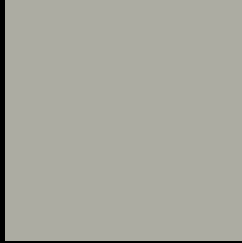
Large Text (above 18pt) WCAG AA × Fail

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, 5.449, 109.620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

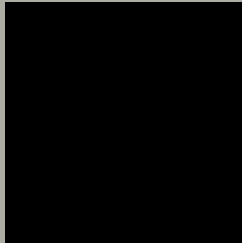
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

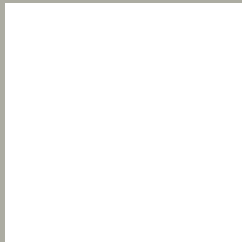
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 5.449, 109.620

Background



This preview shows how black text looks on a background with the CIELCh color 70, 5.449, 109.620.



This preview shows how white text looks on a background with the CIELCh color 70, 5.449, 109.620.

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, 5.449, 109.620

Protanopia

70, 5.417, 84.310

Deuteranopia

70, 9.813, 26.565



Tritanopia
70, 7.492, 308.026

Trichromacy



Original Color
70, 5.449, 109.620

Protanomaly
70, 5.565, 97.613

Deuteranomaly
70, 6.571, 39.204

Tritanomaly
70, 3.142, 318.875

Monochromacy



Original Color
70, 5.449, 109.620

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, 5.449, 109.620 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, 162)` looks like.

```
.text, #text, p{  
    color:rgb(172, 172, 162)  
}
```

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, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 172, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 5.449, 109.620 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, 162) }
```

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

```
.border{ border-color:rgb(172, 172, 162) }
```

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, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 172, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 172, 162);  
box-shadow:4px 4px 4px 4px rgb(172, 172,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 5.449, 109.620 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, 162) }
```

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

```
.background{ background-color: rgb(172,  
172, 162) }
```

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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