

Converting Colors

CIELCh(70, 4.102, 108.792)

Have a look what the booklet for
CIELCh(70, 4.102, 108.792) contains.

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Color

CIELCh(70, 4.358, 109.727)

Conversions

Conversions Part 1

Format	Color
Hex	ACACA4
RGB	172, 172, 164
RGB Percent	67%, 67%, 64%
CMY	0.3270, 0.3270, 0.3584
CMYK	0.00, 0.00, 0.05, 0.33
HSL	60°, 5%, 66%
HSV	60°, 5%, 67%
XYZ	38.2718, 40.7494, 40.7875
YIQ	171.0880, 2.5680, -2.4880

Conversions

Conversions Part 2

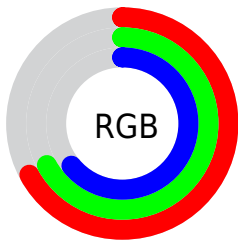
Format	Color
RYB	164, 172, 164
Decimal	11316388
CIELab	70.00, -1.47, 4.10
CIElCh	70, 4.358, 109.727
Yxy	40.7494, 0.3194, 0.3401
Android (android.graphics.Color)	4289506468 (0xFFACACA4)
YUV	171.0880, -3.4944, 0.7998
Hunter-Lab	63.8353, -4.6937, 6.8013

Details

The CIELCh color $70, 4.358, 109.727$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $67, 4.419, 290.661$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 4.137, 109.823$, and $50, 4.655, 109.560$ is the 20% darker color. If you saturate the color by 10%, you get $70, 13.701, 108.801$, and if you desaturate by 10%, it is $70, 5.017, 290.703$.

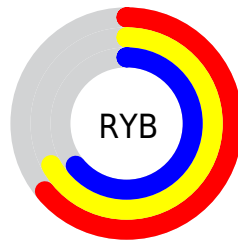
Distribution



Red (67%)

Green (67%)

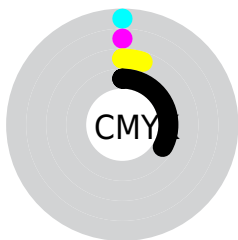
Blue (64%)



Red (64%)

Yellow (67%)

Blue (64%)

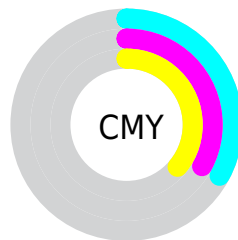


Cyan (0%)

Magenta (0%)

Yellow (5%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 4.358, 109.727 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, 4.358, 109.727 by changing the saturation by 10% instead.

■ 70, 4.358, 109.727

■ 70, 4.358, 109.727

■ 100, 4.358,
109.727

■ 60, 4.358, 109.727

■ 90, 4.358, 109.727

■ 50, 4.358, 109.727

■ 40, 4.358, 109.727

■ 30, 4.358, 109.727

■ 20, 4.358, 109.727

■ 10, 4.358, 109.727

■ 0, 4.358, 109.727

■ 70, 4.358, 109.727

■ 70, 4.358, 109.727

■ 70, 13.701,

■ 70, 5.017, 290.703

108.801

71, 14.393,
291.605

69, 22.956,
107.847

72, 23.745,
292.481

69, 32.044,
106.903

72, 33.055,
293.320

69, 40.842,
105.991

73, 42.311,
294.119

68, 49.158,
105.137

73, 45.307,
294.372

68, 56.715,
104.372

73, 45.307,
294.375

68, 63.129,
103.736

73, 45.307,
294.377

68, 67.969,
103.264

73, 45.307,
294.380

68, 70.909,
102.983

Harmonies

Complementary

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



70, 4.358, 109.727



67, 4.419, 290.661

Rectangle

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



70, 4.358, 109.727



70, 4.358, 159.727



70, 4.358, 289.727



70, 4.358, 339.727

Sweetspot

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



70, 4.360, 109.743



88, 1.145, 110.039



68, 3.061, 19.523



47, 0.656, 110.041



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, 4.360, 109.743



88, 6.917, 109.610



70, 4.639, 128.892



37, 3.739, 109.571



60, 65.376, 102.878



7, 11.345, 110.201

Inverse Universe

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



67, 4.419, 290.661



84, 7.026, 290.805



68, 4.682, 309.247



34, 3.801, 290.848



17, 90.270, 306.289



1, 11.347, 290.191

Previews

White Background



This preview shows how the CIELCh color 70, 4.358, 109.727 looks on a white background.

Color Contrast Check

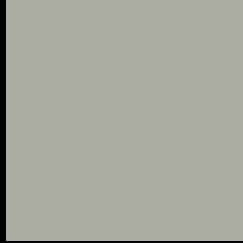
Large Text (above 18pt) WCAG AA × Fail

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, 4.358, 109.727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

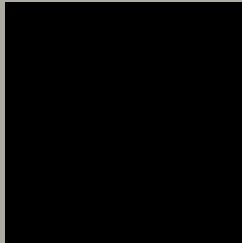
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

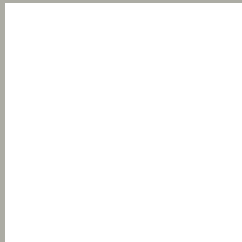
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 4.358, 109.727

Background



This preview shows how black text looks on a background with the CIELCh color 70, 4.358, 109.727.



This preview shows how white text looks on a background with the CIELCh color 70, 4.358, 109.727.

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, 4.358, 109.727

Protanopia

70, 4.448, 78.490

Deuteranopia

70, 9.707, 20.221



Tritanopia
70, 7.388, 305.291

Trichromacy



Original Color
70, 4.358, 109.727

Protanomaly
70, 4.501, 94.892

Deuteranomaly
70, 6.397, 34.647

Tritanomaly
70, 2.979, 312.554

Monochromacy



Original Color
70, 4.358, 109.727

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, 4.358, 109.727 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(172, 172, 164)  
}
```

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, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 172, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 4.358, 109.727 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, 164) }
```

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

```
.border{ border-color:rgb(172, 172, 164) }
```

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, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 172, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 172, 164);  
box-shadow:4px 4px 4px 4px rgb(172, 172,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 4.358, 109.727 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, 164) }
```

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

```
.background{ background-color: rgb(172,  
172, 164) }
```

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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