

Converting Colors

CIELCh(70, 1.230, 304.611)

Have a look what the booklet for
CIELCh(70, 1.230, 304.611) contains.

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Color

CIELCh(70, 1.169, 309.027)

Conversions

Conversions Part 1

Format	Color
Hex	ACABAD
RGB	172, 171, 173
RGB Percent	67%, 67%, 68%
CMY	0.3267, 0.3306, 0.3228
CMYK	0.01, 0.01, 0.00, 0.32
HSL	270°, 1%, 67%
HSV	270°, 1%, 68%
XYZ	38.9623, 40.7494, 45.1894
YIQ	171.5270, -0.0460, 0.8340

Conversions

Conversions Part 2

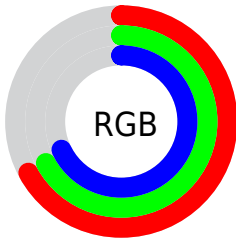
Format	Color
RYB	172, 171, 173
Decimal	11316141
CIELab	70.00, 0.74, -0.91
CIELCh	70, 1.169, 309.027
Yxy	40.7494, 0.3119, 0.3263
Android (android.graphics.Color)	4289506221 (0xFFACABAD)
YUV	171.5270, 0.7262, 0.4148
Hunter-Lab	63.8353, -2.7630, 2.7129

Details

The CIELCh color **70, 1.169, 309.027** is a light color, and the websafe version is hex **999999**. A complement of this color would be **70, 1.149, 129.085**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 1.112, 308.990**, and **50, 1.246, 309.071** is the 20% darker color. If you saturate the color by 10%, you get **65, 11.358, 309.528**, and if you desaturate by 10%, it is **75, 8.721, 128.700**.

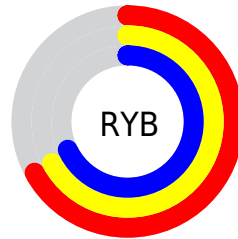
Distribution



Red (67%)

Green (67%)

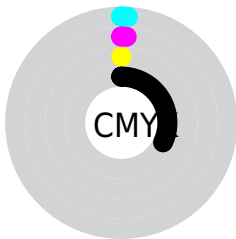
Blue (68%)



Red (67%)

Yellow (67%)

Blue (68%)

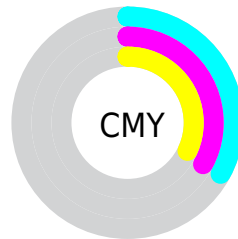


Cyan (1%)

Magenta (1%)

Yellow (0%)

Black (32%)



Cyan (33%)

Magenta (33%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 1.169, 309.027 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, 1.169, 309.027 by changing the saturation by 10% instead.

■ 70, 1.169, 309.027

■ 70, 1.169, 309.027

■ 100, 1.169,
309.027

■ 60, 1.169, 309.027

■ 90, 1.169, 309.027

■ 50, 1.169, 309.027

■ 40, 1.169, 309.027

■ 30, 1.169, 309.027

■ 20, 1.169, 309.027

■ 10, 1.169, 309.027

■ 0, 1.169, 309.027

■ 70, 1.169, 309.027

■ 70, 1.169, 309.027

■ 65, 11.358,

■ 75, 8.721, 128.700

309.528

81, 18.304,
128.335

59, 21.833,
310.020

86, 27.589,
128.015

54, 32.549,
310.542

91, 36.587,
127.735

49, 43.413,
311.080

96, 44.157,
127.073

44, 54.258,
311.607

96, 43.085,
123.147

40, 64.795,
312.077

97, 42.231,
118.960

35, 74.575,
312.423

97, 41.624,
114.553

32, 82.963,
312.549

98, 41.288,
109.982

29, 89.233,
312.345

Harmonies

Complementary

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



70, 1.169, 309.027



70, 1.149, 129.085

Rectangle

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



70, 1.169, 309.027



70, 1.169, 359.027



70, 1.169, 129.027



70, 1.169, 179.027

Sweetspot

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



70, 1.167, 309.001



89, 0.011, 296.813



70, 0.655, 254.247



47, 0.006, 296.813



95, 0.011, 296.813

Same Dimension

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



70, 1.167, 309.001



89, 1.250, 308.982



70, 1.332, 323.890



37, 0.574, 308.969



23, 84.050, 312.062



1, 11.829, 305.835

Inverse Universe

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



70, 0.940, 343.316



89, 1.007, 343.253



70, 1.317, 144.111



37, 0.463, 343.205



32, 57.256, 1.178



2, 9.141, 348.762

Previews

White Background



This preview shows how the CIELCh color 70, 1.169, 309.027 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, 1.169, 309.027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

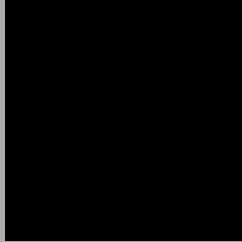
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

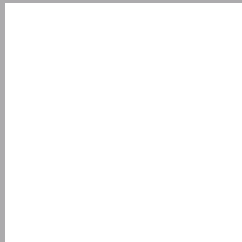
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 1.169, 309.027

Background



This preview shows how black text looks on a background with the CIELCh color 70, 1.169, 309.027.

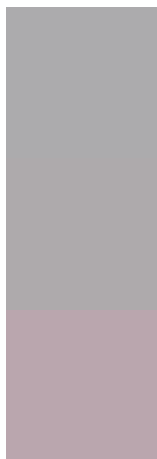


This preview shows how white text looks on a background with the CIELCh color 70, 1.169, 309.027.

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, 1.169, 309.027

Protanopia

70, 1.877, 343.640

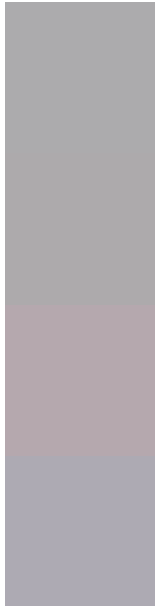
Deuteranopia

70, 8.779, 350.342



Tritanopia
70, 7.839, 301.714

Trichromacy



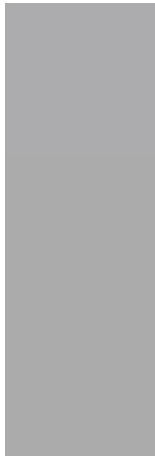
Original Color
70, 1.169, 309.027

Protanomaly
70, 1.588, 335.587

Deuteranomaly
70, 5.931, 346.319

Tritanomaly
70, 5.073, 303.308

Monochromacy



Original Color
70, 1.169, 309.027

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 0.555, 290.336

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 1.169, 309.027 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, 171, 173)` looks like.

```
.text, #text, p{  
    color:rgb(172, 171, 173)  
}
```

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, 171, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 171, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 1.169, 309.027 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, 171, 173) }
```

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

```
.border{ border-color:rgb(172, 171, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 171, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 171, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 171, 173);  
box-shadow:4px 4px 4px 4px rgb(172, 171,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 1.169, 309.027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 171, 173) }
```

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

```
.background{ background-color: rgb(172,  
171, 173) }
```

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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