

Converting Colors

CIELCh(70, 2.481, 300.128)

Have a look what the booklet for
CIELCh(70, 2.481, 300.128) contains.

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Color

CIELCh(70, 2.855, 305.612)

Conversions

Conversions Part 1

Format	Color
Hex	ACAAAF
RGB	172, 170, 175
RGB Percent	67%, 67%, 69%
CMY	0.3245, 0.3323, 0.3127
CMYK	0.02, 0.03, 0.00, 0.31
HSL	264°, 3%, 68%
HSV	264°, 3%, 69%
XYZ	39.2545, 40.7494, 46.4856
YIQ	171.1680, -0.4130, 1.9790

Conversions

Conversions Part 2

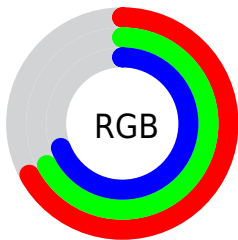
Format	Color
RYB	172, 170, 175
Decimal	11315887
CIELab	70.00, 1.66, -2.32
CIELCh	70, 2.855, 305.612
Yxy	40.7494, 0.3103, 0.3222
Android (android.graphics.Color)	4289505967 (0xFFACAAAF)
YUV	171.1680, 1.8892, 0.7297
Hunter-Lab	63.8353, -1.9458, 1.5090

Details

The CIELCh color **70, 2.855, 305.612** is a light color, and the websafe version is hex **999999**. A complement of this color would be **71, 2.824, 125.380**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 2.712, 305.573**, and **50, 3.048, 305.672** is the 20% darker color. If you saturate the color by 10%, you get **65, 13.038, 306.137**, and if you desaturate by 10%, it is **75, 7.003, 125.178**.

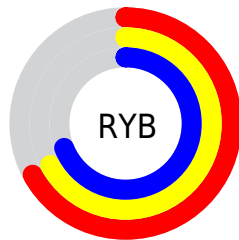
Distribution



Red (67%)

Green (67%)

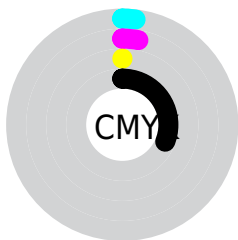
Blue (69%)



Red (67%)

Yellow (67%)

Blue (69%)

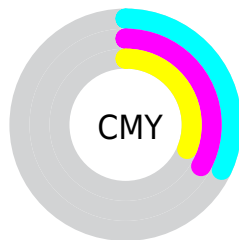


Cyan (2%)

Magenta (3%)

Yellow (0%)

Black (31%)



Cyan (32%)

Magenta (33%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 2.855, 305.612 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, 2.855, 305.612 by changing the saturation by 10% instead.

■ 70, 2.855, 305.612

■ 70, 2.855, 305.612

■ 100, 2.855,
305.612

■ 60, 2.855, 305.612

■ 90, 2.855, 305.612

■ 50, 2.855, 305.612

■ 40, 2.855, 305.612

■ 30, 2.855, 305.612

■ 20, 2.855, 305.612

■ 10, 2.855, 305.612

■ 0, 2.855, 305.612

■ 70, 2.855, 305.612

■ 70, 2.855, 305.612

■ 65, 13.038,

■ 75, 7.003, 125.178

306.137

81, 16.536,
124.769

59, 23.545,
306.716

86, 25.758,
124.416

54, 34.344,
307.347

92, 34.685,
124.110

48, 45.361,
308.019

96, 41.732,
123.051

43, 56.445,
308.704

97, 40.746,
117.756

38, 67.314,
309.353

98, 40.146,
112.143

34, 77.488,
309.886

98, 39.971,
107.127

30, 86.247,
310.184

27, 92.716,
310.108

Harmonies

Complementary

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



70, 2.855, 305.612



71, 2.824, 125.380

Rectangle

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



70, 2.855, 305.612



70, 2.855, 355.612



70, 2.855, 125.612



70, 2.855, 175.612

Sweetspot

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



70, 2.853, 305.599



90, 1.237, 305.463



71, 1.544, 242.414



48, 0.709, 305.456



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, 2.853, 305.599



88, 3.703, 305.611



70, 3.219, 321.312



36, 2.247, 305.648



21, 85.809, 310.032



1, 11.662, 302.772

Inverse Universe

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



70, 2.515, 338.691



88, 3.265, 338.715



71, 3.201, 141.172



36, 1.980, 338.786



32, 59.132, 352.324



2, 9.738, 343.407

Previews

White Background



This preview shows how the CIE LCh color 70, 2.855, 305.612 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, 2.855, 305.612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

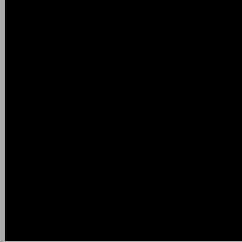
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

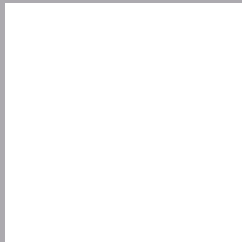
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 2.855, 305.612

Background



This preview shows how black text looks on a background with the CIELCh color 70, 2.855, 305.612.



This preview shows how white text looks on a background with the CIELCh color 70, 2.855, 305.612.

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, 2.855, 305.612

Protanopia

70, 2.979, 312.554

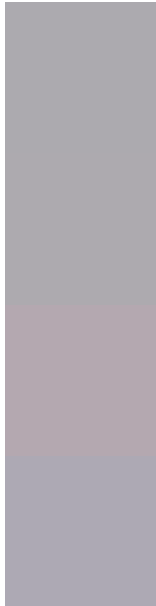
Deuteranopia

70, 9.049, 343.051



Tritanopia
70, 7.302, 302.492

Trichromacy



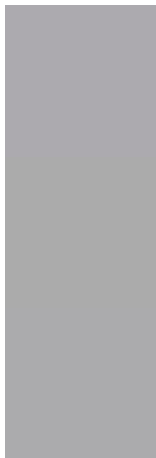
Original Color
70, 2.855, 305.612

Protanomaly
70, 2.979, 312.554

Deuteranomaly
70, 6.318, 336.076

Tritanomaly
70, 6.233, 304.476

Monochromacy



Original Color
70, 2.855, 305.612

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 1.102, 290.340

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 2.855, 305.612 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, 170, 175)` looks like.

```
.text, #text, p{  
    color:rgb(172, 170, 175)  
}
```

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, 170, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 170, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 2.855, 305.612 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, 170, 175) }
```

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

```
.border{ border-color:rgb(172, 170, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 170, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 170, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 170, 175);  
box-shadow:4px 4px 4px 4px rgb(172, 170,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 2.855, 305.612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 170, 175) }
```

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

```
.background{ background-color: rgb(172,  
170, 175) }
```

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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