

Converting Colors

CIELCh(70, 5.029, 310.411)

Have a look what the booklet for
CIELCh(70, 5.029, 310.411) contains.

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Color

CIELCh(70, 5.299, 311.172)

Conversions

Conversions Part 1

Format	Color
Hex	AEA9B2
RGB	174, 169, 178
RGB Percent	68%, 66%, 70%
CMY	0.3164, 0.3360, 0.3008
CMYK	0.02, 0.05, 0.00, 0.30
HSL	273°, 6%, 68%
HSV	273°, 5%, 70%
XYZ	39.8349, 40.7494, 48.0471
YIQ	171.5210, 0.0910, 3.8590

Conversions

Conversions Part 2

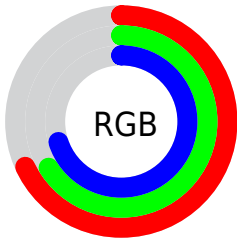
Format	Color
RYB	174, 169, 178
Decimal	11446706
CIELab	70.00, 3.49, -3.99
CIELCh	70, 5.299, 311.172
Yxy	40.7494, 0.3097, 0.3168
Android (android.graphics.Color)	4289636786 (0xFFAEA9B2)
YUV	171.5210, 3.1941, 2.1741
Hunter-Lab	63.8353, -0.3230, 0.0587

Details

The CIELCh color $70, 5.299, 311.172$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $72, 5.252, 130.796$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 5.522, 309.232$, and $50, 5.114, 313.543$ is the 20% darker color. If you saturate the color by 10%, you get $65, 15.990, 311.623$, and if you desaturate by 10%, it is $75, 5.105, 130.811$.

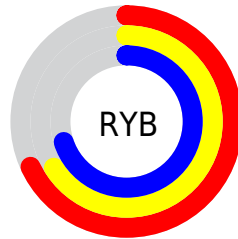
Distribution



Red (68%)

Green (66%)

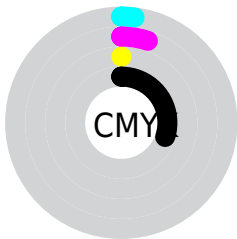
Blue (70%)



Red (68%)

Yellow (66%)

Blue (70%)

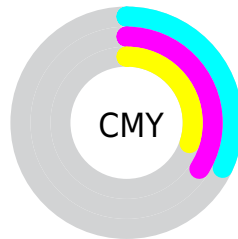


Cyan (2%)

Magenta (5%)

Yellow (0%)

Black (30%)



Cyan (32%)

Magenta (34%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 5.299, 311.172 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, 5.299, 311.172 by changing the saturation by 10% instead.

■ 70, 5.299, 311.172

■ 70, 5.299, 311.172

■ 100, 5.299,
311.172

■ 60, 5.299, 311.172

■ 90, 5.299, 311.172

■ 50, 5.299, 311.172

■ 40, 5.299, 311.172

■ 30, 5.299, 311.172

■ 20, 5.299, 311.172

■ 10, 5.299, 311.172

■ 0, 5.299, 311.172

■ 70, 5.299, 311.172

■ 70, 5.299, 311.172

■ 65, 15.990,

■ 75, 5.105, 130.811

311.623

81, 15.202,
130.428

59, 26.935,
312.096

86, 24.993,
130.097

54, 38.056,
312.583

91, 34.486,
129.804

49, 49.211,
313.065

96, 41.702,
128.901

44, 60.161,
313.507

96, 40.643,
125.170

40, 70.531,
313.855

97, 39.769,
121.184

36, 79.779,
314.037

97, 39.103,
116.972

33, 87.230,
313.958

98, 38.668,
112.579

30, 92.262,
313.526

Harmonies

Complementary

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



70, 5.299, 311.172



72, 5.252, 130.796

Rectangle

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



70, 5.299, 311.172



70, 5.299, 1.172



70, 5.299, 131.172



70, 5.299, 181.172

Sweetspot

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



70, 5.297, 311.167



91, 2.595, 311.006



71, 3.072, 261.370



49, 1.488, 310.999



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



70, 5.297, 311.167



88, 7.809, 311.216



70, 5.796, 326.044



36, 4.171, 311.236



24, 84.096, 313.396



2, 13.977, 307.097

Inverse Universe

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



70, 4.061, 347.083



88, 5.988, 347.191



72, 5.780, 145.563



36, 3.198, 347.234



32, 57.657, 6.558



2, 10.298, 352.930

Previews

White Background



This preview shows how the CIELCh color 70, 5.299, 311.172 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, 5.299, 311.172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

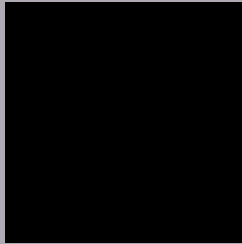
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

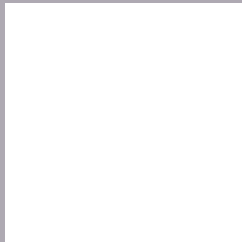
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 5.299, 311.172

Background



This preview shows how black text looks on a background with the CIELCh color 70, 5.299, 311.172.

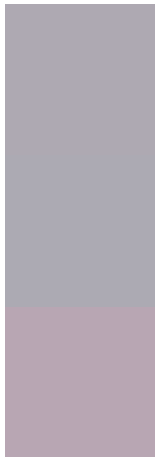


This preview shows how white text looks on a background with the CIELCh color 70, 5.299, 311.172.

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, 5.299, 311.172

Protanopia

70, 5.001, 299.173

Deuteranopia

70, 9.845, 334.019



Tritanopia
70, 7.492, 308.026

Trichromacy



Original Color
70, 5.299, 311.172

Protanomaly
70, 5.073, 303.308

Deuteranomaly
70, 8.214, 326.958

Tritanomaly
70, 6.972, 309.342

Monochromacy



Original Color
70, 5.299, 311.172

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 1.820, 314.655

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 5.299, 311.172 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(174, 169, 178)` looks like.

```
.text, #text, p{  
    color:rgb(174, 169, 178)  
}
```

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(174, 169, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 169, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 5.299, 311.172 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(174, 169, 178) }
```

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

```
.border{ border-color:rgb(174, 169, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 169, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 169, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 169, 178);  
box-shadow:4px 4px 4px 4px rgb(174, 169,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 5.299, 311.172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 169, 178) }
```

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

```
.background{ background-color: rgb(174,  
169, 178) }
```

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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