

Converting Colors

CIELCh(70, 4.316, 11.497)

Have a look what the booklet for
CIELCh(70, 4.316, 11.497) contains.

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Color

CIELCh(70, 4.228, 12.255)

Conversions

Conversions Part 1

Format	Color
Hex	B4A9AA
RGB	180, 169, 170
RGB Percent	71%, 66%, 67%
CMY	0.2958, 0.3390, 0.3350
CMYK	0.00, 0.06, 0.06, 0.30
HSL	355°, 7%, 68%
HSV	355°, 6%, 70%
XYZ	40.0407, 40.7494, 43.5684
YIQ	172.4030, 6.2350, 2.6430

Conversions

Conversions Part 2

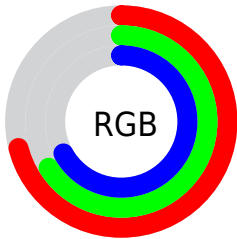
Format	Color
RYB	180, 169, 170
Decimal	11839914
CIELab	70.00, 4.13, 0.90
CIELCh	70, 4.228, 12.255
Yxy	40.7494, 0.3220, 0.3277
Android (android.graphics.Color)	4290029994 (0xFFB4A9AA)
YUV	172.4030, -1.1847, 6.6626
Hunter-Lab	63.8353, 0.2524, 4.2185

Details

The CIELCh color $70, 4.228, 12.255$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $72, 4.094, 191.575$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 4.365, 12.768$, and $50, 4.124, 11.678$ is the 20% darker color. If you saturate the color by 10%, you get $65, 11.503, 13.264$, and if you desaturate by 10%, it is $75, 2.585, 191.828$.

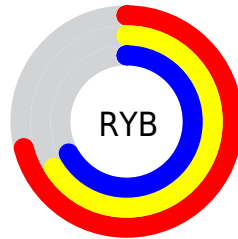
Distribution



Red (71%)

Green (66%)

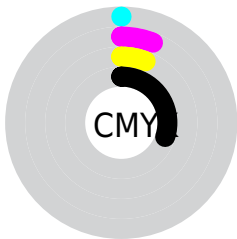
Blue (67%)



Red (71%)

Yellow (66%)

Blue (67%)

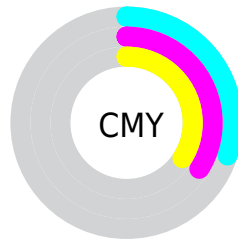


Cyan (0%)

Magenta (6%)

Yellow (6%)

Black (30%)



Cyan (30%)

Magenta (34%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 4.228, 12.255 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, 4.228, 12.255 by changing the saturation by 10% instead.

■ 70, 4.228, 12.255

■ 70, 4.228, 12.255

■ 100, 4.228, 12.255

■ 60, 4.228, 12.255

■ 90, 4.228, 12.255

■ 50, 4.228, 12.255

■ 40, 4.228, 12.255

■ 30, 4.228, 12.255

■ 20, 4.228, 12.255

■ 10, 4.228, 12.255

■ 0, 4.228, 12.255

■ 70, 4.228, 12.255

■ 70, 4.228, 12.255

■ 65, 11.503, 13.264

■ 75, 2.585, 191.828

60, 19.241, 14.403

80, 8.952, 191.054

55, 27.392, 15.807

86, 14.908,
190.488

51, 35.845, 17.575

91, 20.493,
190.009

47, 44.413, 19.824

43, 52.839, 22.678

95, 24.431,
193.287

41, 60.834, 26.228

95, 24.112,
197.931

39, 68.127, 30.417

38, 74.382, 34.810

Harmonies

Complementary

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



70, 4.228, 12.255



72, 4.094, 191.575

Rectangle

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



70, 4.228, 12.255



70, 4.228, 62.255



70, 4.228, 192.255



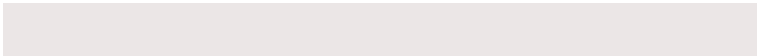
70, 4.228, 242.255

Sweetspot

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



70, 4.226, 12.276



92, 1.694, 11.709



70, 7.095, 321.977



49, 0.962, 11.680



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, 4.226, 12.276



88, 6.026, 12.376



71, 3.456, 63.164



36, 3.127, 12.409



31, 67.573, 35.649



2, 9.216, 13.599

Inverse Universe

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



70, 4.226, 12.276



88, 6.026, 12.376



71, 3.382, 244.666



36, 3.127, 12.409



31, 67.573, 35.649



2, 9.216, 13.599

Previews

White Background



This preview shows how the CIELCh color 70, 4.228, 12.255 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, 4.228, 12.255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

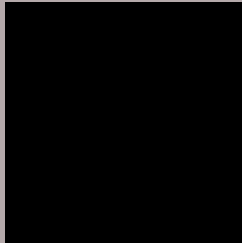
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

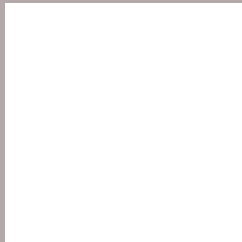
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 4.228, 12.255

Background



This preview shows how black text looks on a background with the CIELCh color 70, 4.228, 12.255.



This preview shows how white text looks on a background with the CIELCh color 70, 4.228, 12.255.

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, 4.228, 12.255

Protanopia

70, 1.615, 359.449

Deuteranopia

70, 8.719, 5.685



Tritanopia
70, 8.873, 326.827

Trichromacy



Original Color
70, 4.228, 12.255

Protanomaly
70, 2.716, 7.863

Deuteranomaly
70, 7.084, 6.640

Tritanomaly
70, 6.318, 336.076

Monochromacy



Original Color
70, 4.228, 12.255

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 1.512, 19.211

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 4.228, 12.255 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(180, 169, 170)` looks like.

```
.text, #text, p{  
    color:rgb(180, 169, 170)  
}
```

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(180, 169, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 169, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 4.228, 12.255 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(180, 169, 170) }
```

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

```
.border{ border-color:rgb(180, 169, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 169, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 169, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 169, 170);  
box-shadow:4px 4px 4px 4px rgb(180, 169,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 4.228, 12.255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 169, 170) }
```

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

```
.background{ background-color: rgb(180,  
169, 170) }
```

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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