

Converting Colors

CIELCh(70, 4.729, 33.020)

Have a look what the booklet for
CIELCh(70, 4.729, 33.020) contains.

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Color

CIELCh(70, 4.723, 33.019)

Conversions

Conversions Part 1

Format	Color
Hex	B5A9A7
RGB	181, 169, 167
RGB Percent	71%, 66%, 65%
CMY	0.2920, 0.3390, 0.3469
CMYK	0.00, 0.07, 0.08, 0.29
HSL	9°, 9%, 68%
HSV	9°, 8%, 71%
XYZ	39.9857, 40.7494, 42.0987
YIQ	172.3600, 7.7940, 1.9220

Conversions

Conversions Part 2

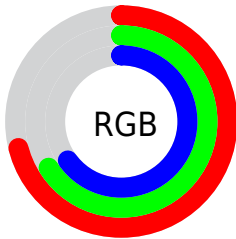
Format	Color
RYB	181, 169, 167
Decimal	11905447
CIELab	70.00, 3.96, 2.57
CIELCh	70, 4.723, 33.019
Yxy	40.7494, 0.3255, 0.3317
Android (android.graphics.Color)	4290095527 (0xFFB5A9A7)
YUV	172.3600, -2.6425, 7.5773
Hunter-Lab	63.8353, 0.0988, 5.5836

Details

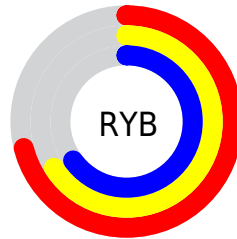
The CIELCh color **70, 4.723, 33.019** is a light color, and the websafe version is hex **999999**. A complement of this color would be **72, 4.498, 213.218**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 4.821, 31.992**, and **50, 4.676, 34.213** is the 20% darker color. If you saturate the color by 10%, you get **66, 11.270, 33.271**, and if you desaturate by 10%, it is **75, 1.318, 213.488**.

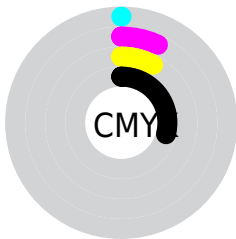
Distribution



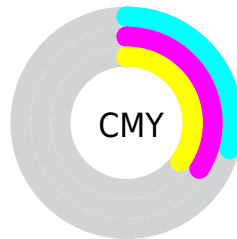
- Red (71%)
- Green (66%)
- Blue (65%)



- Red (71%)
- Yellow (66%)
- Blue (65%)



- Cyan (0%)
- Magenta (7%)
- Yellow (8%)
- Black (29%)





- Cyan (29%)
- Magenta (34%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 4.723, 33.019 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, 4.723, 33.019 by changing the saturation by 10% instead.

 70, 4.723, 33.019  70, 4.723, 33.019

 100, 4.723, 33.019  60, 4.723, 33.019

 90, 4.723, 33.019  50, 4.723, 33.019

 40, 4.723, 33.019


 30, 4.723, 33.019

 20, 4.723, 33.019

 10, 4.723, 33.019

 0, 4.723, 33.019

 70, 4.723, 33.019  70, 4.723, 33.019

 66, 11.270, 33.271  75, 1.318, 213.488

61, 18.365, 33.603

79, 6.899, 213.206

57, 26.029, 34.118

84, 12.071,
213.270

53, 34.254, 34.873

88, 16.880,
213.398

49, 42.978, 35.916

46, 52.058, 37.274

93, 21.256,
211.004

43, 61.201, 38.890

95, 23.834,
197.948

41, 69.779, 40.502

39, 76.688, 41.630

Harmonies

Complementary

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



70, 4.723, 33.019



72, 4.498, 213.218

Rectangle

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



70, 4.723, 33.019



70, 4.723, 83.019



70, 4.723, 213.019



70, 4.723, 263.019

Sweetspot

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



70, 4.722, 33.043



92, 1.472, 32.686



70, 8.498, 328.726



49, 0.836, 32.662



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, 4.722, 33.043



88, 6.824, 33.076



72, 5.181, 87.361



35, 3.441, 33.079



33, 68.690, 42.052



3, 8.256, 29.668

Inverse Universe

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



72, 4.498, 213.218



91, 6.439, 213.209



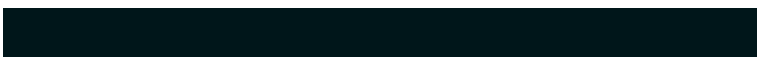
70, 5.170, 269.415



37, 3.243, 213.208



50, 29.829, 222.730



6, 7.709, 220.171

Previews

White Background



This preview shows how the CIELCh color 70, 4.723, 33.019 looks on a white background.

Color Contrast Check

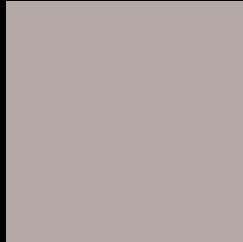
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 70, 4.723, 33.019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

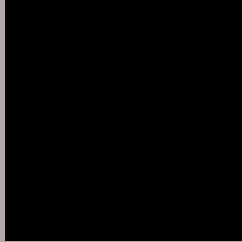
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 4.723, 33.019

Background



This preview shows how black text looks on a background with the CIELCh color 70, 4.723, 33.019.



This preview shows how white text looks on a background with the CIELCh color 70, 4.723, 33.019.

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, 4.723, 33.019

Protanopia

70, 2.181, 49.343

Deuteranopia

70, 9.334, 13.507



Tritanopia
70, 9.099, 328.757

Trichromacy



Original Color
70, 4.723, 33.019

Protanomaly
70, 3.235, 39.212

Deuteranomaly
70, 7.726, 15.994

Tritanomaly
70, 6.247, 342.144

Monochromacy



Original Color
70, 4.723, 33.019

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 1.602, 39.113

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 4.723, 33.019 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(181, 169, 167)` looks like.

```
.text, #text, p{  
    color:rgb(181, 169, 167)  
}
```

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(181, 169, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 169, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 4.723, 33.019 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(181, 169, 167) }
```

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

```
.border{ border-color:rgb(181, 169, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 169, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 169, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 169, 167); box-shadow:4px 4px 4px 4px rgb(181, 169, 167) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 4.723, 33.019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 169, 167) }
```

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

```
.background{ background-color: rgb(181,  
169, 167) }
```

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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