

Converting Colors

CIELCh(70, 59.720, 106.764)

Have a look what the booklet for
CIELCh(70, 59.720, 106.764)
contains.

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Color

CIELCh(70, 60.015, 106.712)

Conversions

Conversions Part 1

Format	Color
Hex	ACB23B
RGB	172, 178, 59
RGB Percent	67%, 70%, 23%
CMY	0.3269, 0.3033, 0.7700
CMYK	0.03, 0.00, 0.67, 0.30
HSL	63°, 50%, 46%
HSV	63°, 67%, 70%
XYZ	33.5695, 40.7494, 10.1875
YIQ	162.6400, 34.6230, -38.2810

Conversions

Conversions Part 2

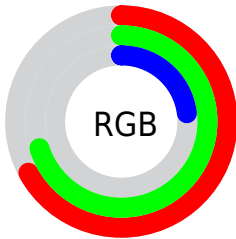
Format	Color
RYB	59, 178, 65
Decimal	11317819
CIELab	70.00, -17.26, 57.48
CIELCh	70, 60.015, 106.712
Yxy	40.7494, 0.3972, 0.4822
Android (android.graphics.Color)	4289507899 (0xFFACB23B)
YUV	162.6400, -51.0945, 8.2087
Hunter-Lab	63.8353, -17.8427, 35.2226

Details

The CIELCh color **70, 60.015, 106.712** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **33, 73.531, 301.845**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 60.082, 106.842**, and **50, 57.728, 107.570** is the 20% darker color. If you saturate the color by 10%, you get **70, 66.270, 106.237**, and if you desaturate by 10%, it is **70, 52.481, 107.355**.

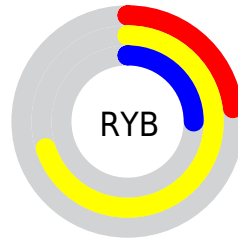
Distribution



Red (67%)

Green (70%)

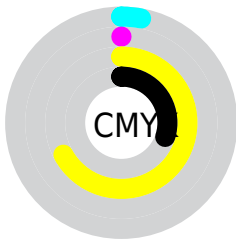
Blue (23%)



Red (23%)

Yellow (70%)

Blue (25%)

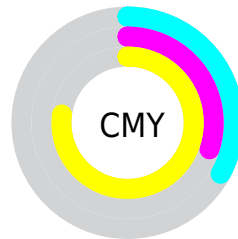


Cyan (3%)

Magenta (0%)

Yellow (67%)

Black (30%)



Cyan (33%)


Magenta (30%)


Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 60.015, 106.712 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, 60.015, 106.712 by changing the saturation by 10% instead.


 70, 60.015,
106.712


 70, 60.015,
106.712


 100, 60.015,
106.712


 60, 60.015,
106.712


 90, 60.015,
106.712


 50, 60.015,
106.712

 40, 60.015,
106.712

 30, 60.015,
106.712

 20, 60.015,
106.712

 10, 60.015,
106.712

 0, 60.015, 106.712

70, 60.015,
106.712

70, 60.015,
106.712

70, 66.270,
106.237

70, 52.481,
107.355

70, 70.802,
105.976

70, 44.080,
108.110

70, 73.409,
105.954

71, 35.123,
108.936

70, 74.043,
105.965

71, 25.826,
109.801

72, 16.330,
110.682

72, 6.727, 111.558

73, 2.924, 292.442

73, 12.581,
293.271

■ 74, 22.216,
294.076

Harmonies

Complementary

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



70, 60.015, 106.712



33, 73.531, 301.845

Rectangle

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



70, 60.015, 106.712



70, 60.015, 156.712



70, 60.015, 286.712



70, 60.015, 336.712

Sweetspot

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



70, 60.015, 106.714



91, 23.865, 110.385



43, 53.630, 31.728



49, 16.393, 110.140



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, 60.015, 106.714



89, 83.656, 106.093



66, 66.305, 128.023



38, 5.476, 111.355



61, 66.314, 105.929



8, 13.333, 113.151

Inverse Universe

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



33, 73.531, 301.845



35, 108.938, 304.437



39, 72.220, 313.749



34, 5.596, 293.039



17, 91.110, 306.475



1, 13.326, 291.716

Previews

White Background



This preview shows how the CIELCh color 70, 60.015, 106.712 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, 60.015, 106.712 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, 60.015, 106.712

Background



This preview shows how black text looks on a background with the CIELCh color 70, 60.015, 106.712.



This preview shows how white text looks on a background with the CIELCh color 70, 60.015, 106.712.

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, 60.015, 106.712

Protanopia

70, 58.758, 95.413

Deuteranopia

70, 56.932, 80.728



Tritanopia
70, 9.591, 332.351

Trichromacy



Original Color
70, 60.015, 106.712

Protanomaly
70, 58.600, 99.410

Deuteranomaly
70, 56.569, 90.648

Tritanomaly
70, 19.400, 97.297

Monochromacy



Original Color
70, 60.015, 106.712

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 23.960, 109.658

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 60.015, 106.712 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, 178, 59)` looks like.

```
.text, #text, p{  
    color:rgb(172, 178, 59)  
}
```

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, 178, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 178, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 60.015, 106.712 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, 178, 59) }
```

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

```
.border{ border-color:rgb(172, 178, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 178, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 178, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 178, 59);  
box-shadow:4px 4px 4px 4px rgb(172, 178,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 60.015, 106.712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 178, 59) }
```

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

```
.background{ background-color: rgb(172,  
178, 59) }
```

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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