

Converting Colors

CIELCh(72, 59.850, 109.799)

Have a look what the booklet for
CIELCh(72, 59.850, 109.799)
contains.

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Color

CIELCh(72, 59.850, 109.799)

Conversions

Conversions Part 1

Format	Color
Hex	ACB943
RGB	172, 185, 67
RGB Percent	67%, 73%, 26%
CMY	0.3271, 0.2760, 0.7388
CMYK	0.07, 0.00, 0.64, 0.28
HSL	67°, 47%, 49%
HSV	67°, 64%, 72%
XYZ	35.1924, 43.6590, 11.8217
YIQ	167.6610, 30.1300, -39.4540

Conversions

Conversions Part 2

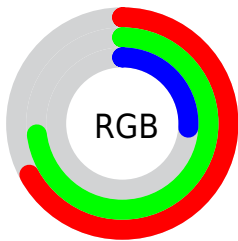
Format	Color
RYB	67, 185, 80
Decimal	11319619
CIELab	72.00, -20.27, 56.31
CIELCh	72, 59.850, 109.799
Yxy	43.6590, 0.3881, 0.4815
Android (android.graphics.Color)	4289509699 (0xFFACB943)
YUV	167.6610, -49.6259, 3.8053
Hunter-Lab	66.0750, -20.5597, 35.6447

Details

The CIELCh color **72, 59.850, 109.799** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **36, 71.992, 302.474**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 60.060, 109.665**, and **52, 59.771, 109.627** is the 20% darker color. If you saturate the color by 10%, you get **72, 66.790, 109.399**, and if you desaturate by 10%, it is **72, 51.731, 110.377**.

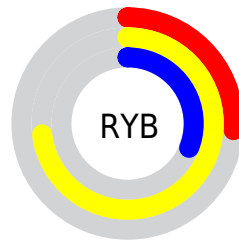
Distribution



Red (67%)

Green (73%)

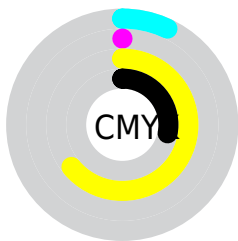
Blue (26%)



Red (26%)

Yellow (73%)

Blue (31%)

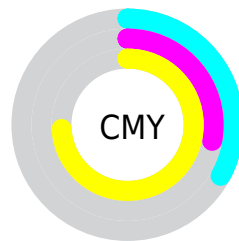


Cyan (7%)

Magenta (0%)

Yellow (64%)

Black (28%)



Cyan (33%)


Magenta (28%)


Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 59.850, 109.799 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 72, 59.850, 109.799 by changing the saturation by 10% instead.


 72, 59.850,
109.799


 72, 59.850,
109.799


 100, 59.850,
109.799


 62, 59.850,
109.799


 92, 59.850,
109.799

 52, 59.850,
109.799

 42, 59.850,
109.799

 32, 59.850,
109.799

 22, 59.850,
109.799

 12, 59.850,
109.799

 2, 59.850, 109.799

0, 59.850, 109.799

72, 59.850,
109.799

72, 59.850,
109.799

72, 66.790,
109.399

72, 51.731,
110.377

71, 72.087,
109.241

73, 42.828,
111.067

71, 75.377,
109.385

73, 33.429,
111.824

71, 76.683,
109.576

74, 23.730,
112.615

74, 13.860,
113.414

75, 3.901, 114.202

■ 75, 6.089, 294.982

■ 76, 16.072,
295.724

■ 77, 26.019,
296.433

Harmonies

Complementary

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



72, 59.850, 109.799



36, 71.992, 302.474

Rectangle

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



72, 59.850, 109.799



72, 59.850, 159.799



72, 59.850, 289.799



72, 59.850, 339.799

Sweetspot

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



72, 59.851, 109.801



93, 23.357, 112.982



47, 50.810, 33.953



49, 16.046, 112.755



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



72, 59.851, 109.801



91, 84.320, 109.296



68, 66.726, 129.671



39, 5.622, 113.778



61, 67.554, 109.491



9, 15.343, 115.900

Inverse Universe

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



36, 71.992, 302.474



39, 107.520, 304.719



42, 71.432, 315.144



36, 5.743, 295.292



18, 91.856, 306.724



1, 15.421, 293.490

Previews

White Background



This preview shows how the CIELCh color 72, 59.850, 109.799 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 72, 59.850, 109.799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

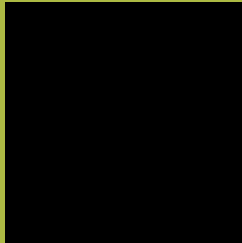
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 59.850, 109.799

Background



This preview shows how black text looks on a background with the CIELCh color 72, 59.850, 109.799.



This preview shows how white text looks on a background with the CIELCh color 72, 59.850, 109.799.

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
72, 59.850, 109.799

Protanopia
72, 58.349, 95.619

Deuteranopia
72, 55.899, 80.765



Tritanopia
72, 8.209, 320.465

Trichromacy



Original Color
72, 59.850, 109.799

Protanomaly
72, 58.488, 100.925

Deuteranomaly
72, 55.390, 91.685

Tritanomaly
72, 18.394, 105.845

Monochromacy



Original Color
72, 59.850, 109.799

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 23.356, 111.811

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 59.850, 109.799 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, 185, 67)` looks like.

```
.text, #text, p{  
    color:rgb(172, 185, 67)  
}
```

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, 185, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 185, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 59.850, 109.799 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, 185, 67) }
```

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

```
.border{ border-color:rgb(172, 185, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 185, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 185, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 185, 67);  
box-shadow:4px 4px 4px 4px rgb(172, 185,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 59.850, 109.799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 185, 67) }
```

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

```
.background{ background-color: rgb(172,  
185, 67) }
```

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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