

Converting Colors

CIELCh(72, 61.028, 99.117)

Have a look what the booklet for
CIELCh(72, 61.028, 99.117) contains.

CIELCh(72, 61.028, 99.117)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(72, 61.028, 99.117)

Conversions

Conversions Part 1

Format	Color
Hex	BFB33A
RGB	191, 179, 58
RGB Percent	75%, 70%, 23%
CMY	0.2507, 0.2978, 0.7723
CMYK	0.00, 0.06, 0.70, 0.25
HSL	55°, 53%, 49%
HSV	55°, 70%, 75%
XYZ	38.4031, 43.6590, 10.4151
YIQ	168.7940, 45.9930, -35.0870

Conversions

Conversions Part 2

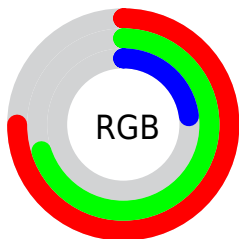
Format	Color
RYB	71, 191, 58
Decimal	12563258
CIELab	72.00, -9.67, 60.26
CIELCh	72, 61.028, 99.117
Yxy	43.6590, 0.4153, 0.4721
Android (android.graphics.Color)	4290753338 (0xFFBFB33A)
YUV	168.7940, -54.6214, 19.4747
Hunter-Lab	66.0750, -11.8860, 36.9068

Details

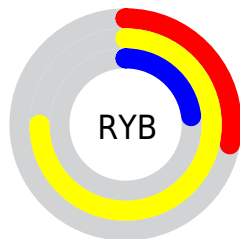
The CIELCh color **72, 61.028, 99.117** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **36, 73.908, 298.628**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 60.938, 98.972**, and **52, 57.900, 99.526** is the 20% darker color. If you saturate the color by 10%, you get **71, 66.987, 98.243**, and if you desaturate by 10%, it is **73, 53.676, 100.071**.

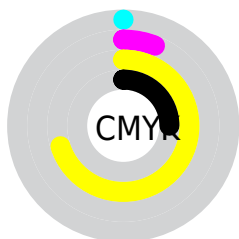
Distribution



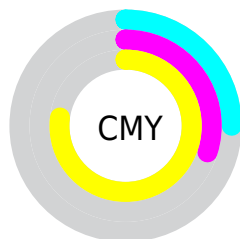
- Red (75%)
- Green (70%)
- Blue (23%)



- Red (28%)
- Yellow (75%)
- Blue (23%)



- Cyan (0%)
- Magenta (6%)
- Yellow (70%)
- Black (25%)



- Cyan (25%)
- Magenta (30%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 61.028, 99.117 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, 61.028, 99.117 by changing the saturation by 10% instead.

■ 72, 61.028, 99.117

■ 72, 61.028, 99.117

■ 100, 61.028,
99.117

■ 62, 61.028, 99.117

■ 92, 61.028, 99.117

■ 52, 61.028, 99.117

■ 42, 61.028, 99.117

■ 32, 61.028, 99.117

■ 22, 61.028, 99.117

■ 12, 61.028, 99.117

■ 2, 61.028, 99.117

■ 0, 61.028, 99.117

■ 72, 61.028, 99.117

■ 72, 61.028, 99.117

71, 66.987, 98.243

73, 53.676,
100.071

71, 71.015, 97.453

73, 45.422,
101.079

70, 73.081, 96.734

70, 73.153, 96.707

74, 36.628,
102.122

75, 27.530,
103.180

76, 18.275,
104.237

76, 8.955, 105.279

77, 0.376, 286.575

78, 9.683, 287.317

79, 18.945,
288.269

Harmonies

Complementary

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



72, 61.028, 99.117



36, 73.908, 298.628

Rectangle

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



72, 61.028, 99.117



72, 61.028, 149.117



72, 61.028, 279.117



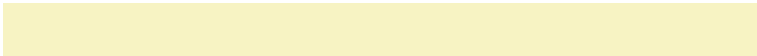
72, 61.028, 329.117

Sweetspot

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



72, 61.028, 99.120



95, 24.133, 104.056



45, 58.361, 23.257



51, 16.459, 103.760



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



72, 61.028, 99.120



90, 84.448, 97.781



72, 69.485, 122.583



40, 5.229, 105.306



59, 63.636, 96.801



10, 15.018, 102.373

Inverse Universe

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



36, 73.908, 298.628



38, 110.980, 302.495



38, 79.685, 309.763



37, 5.323, 287.302



19, 89.187, 304.939



1, 16.303, 288.009

Previews

White Background



This preview shows how the CIELCh color 72, 61.028, 99.117 looks on a white background.

Color Contrast Check

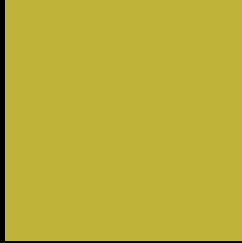
Large Text (above 18pt) WCAG AA × Fail

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 72, 61.028, 99.117 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, 61.028, 99.117

Background



This preview shows how black text looks on a background with the CIELCh color 72, 61.028, 99.117.



This preview shows how white text looks on a background with the CIELCh color 72, 61.028, 99.117.

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, 61.028, 99.117

Protanopia

72, 61.195, 95.298

Deuteranopia

72, 60.192, 81.523



Tritanopia
72, 14.699, 352.104

Trichromacy



Original Color
72, 61.028, 99.117

Protanomaly
72, 61.295, 97.002

Deuteranomaly
72, 59.495, 88.119

Tritanomaly
71, 21.929, 78.936

Monochromacy



Original Color
72, 61.028, 99.117

Achromatopsia
69, 0.009, 296.813

Achromatomaly
70, 23.873, 103.802

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 61.028, 99.117 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(191, 179, 58)` looks like.

```
.text, #text, p{  
    color:rgb(191, 179, 58)  
}
```

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(191, 179, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 179, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 61.028, 99.117 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(191, 179, 58) }
```

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

```
.border{ border-color:rgb(191, 179, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 179, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 179, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 179, 58);  
box-shadow:4px 4px 4px 4px rgb(191, 179,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 61.028, 99.117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 179, 58) }
```

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

```
.background{ background-color: rgb(191,  
179, 58) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor