

Converting Colors

CIELCh(71, 60.295, 96.078)

Have a look what the booklet for
CIELCh(71, 60.295, 96.078) contains.

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Color

CIELCh(71, 60.571, 96.468)

Conversions

Conversions Part 1

Format	Color
Hex	C1AF38
RGB	193, 175, 56
RGB Percent	76%, 69%, 22%
CMY	0.2439, 0.3144, 0.7811
CMYK	0.00, 0.09, 0.71, 0.24
HSL	52°, 55%, 49%
HSV	52°, 71%, 76%
XYZ	37.9488, 42.1875, 9.8608
YIQ	166.8160, 48.9270, -33.1930

Conversions

Conversions Part 2

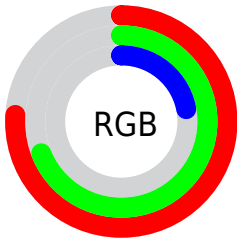
Format	Color
RYB	77, 193, 56
Decimal	12693304
CIELab	71.00, -6.82, 60.19
CIElCh	71, 60.571, 96.468
Yxy	42.1875, 0.4217, 0.4688
Android (android.graphics.Color)	4290883384 (0xFFC1AF38)
YUV	166.8160, -54.6323, 22.9634
Hunter-Lab	64.9519, -9.3755, 36.4652

Details

The CIELCh color **71, 60.571, 96.468** is a dark color, and the websafe version is hex **999900**. The color can be described as middle muted orange. A complement of this color would be **37, 72.516, 297.404**, and the grayscale version is **69, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 60.529, 96.502**, and **51, 56.859, 96.500** is the 20% darker color. If you saturate the color by 10%, you get **70, 66.304, 95.443**, and if you desaturate by 10%, it is **72, 53.419, 97.534**.

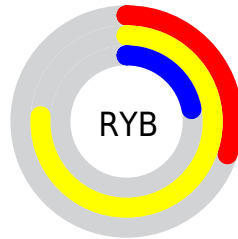
Distribution



Red (76%)

Green (69%)

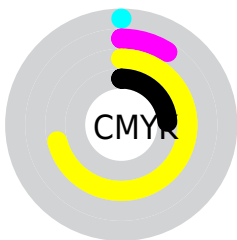
Blue (22%)



Red (30%)

Yellow (76%)

Blue (22%)

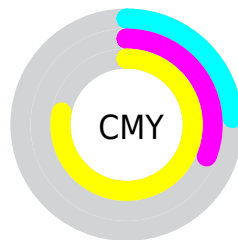


Cyan (0%)

Magenta (9%)

Yellow (71%)

Black (24%)



Cyan (24%)

Magenta (31%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 60.571, 96.468 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 71, 60.571, 96.468 by changing the saturation by 10% instead.

 71, 60.571, 96.468

 71, 60.571, 96.468

 100, 60.571,
96.468

 61, 60.571, 96.468

 91, 60.571, 96.468

 51, 60.571, 96.468

 41, 60.571, 96.468

 31, 60.571, 96.468

 21, 60.571, 96.468

 11, 60.571, 96.468

 1, 60.571, 96.468

 0, 60.571, 96.468

 71, 60.571, 96.468

 71, 60.571, 96.468

70, 66.304, 95.443

72, 53.419, 97.534

69, 70.042, 94.444

73, 45.370, 98.629

69, 71.769, 93.555

74, 36.800, 99.741

75, 27.950,
100.858

76, 18.970,
101.966

77, 9.947, 103.053

78, 0.934, 104.004

79, 8.039, 285.175

80, 16.954,
286.159

Harmonies

Complementary

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



71, 60.571, 96.468



37, 72.516, 297.404

Rectangle

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



71, 60.571, 96.468



71, 60.571, 146.468



71, 60.571, 276.468



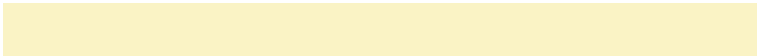
71, 60.571, 326.468

Sweetspot

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



71, 60.571, 96.471



95, 23.363, 101.935



45, 59.242, 21.303



50, 15.808, 101.628



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



71, 60.571, 96.471



88, 83.322, 94.913



72, 70.483, 121.243



40, 5.123, 103.232



58, 62.760, 93.694



11, 15.819, 98.604

Inverse Universe

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



37, 72.516, 297.404



40, 108.470, 301.459



37, 81.969, 309.011



38, 5.204, 285.307



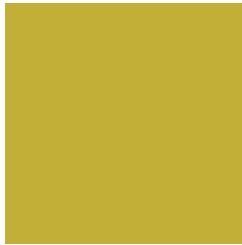
20, 87.686, 304.117



2, 17.676, 287.382

Previews

White Background



This preview shows how the CIELCh color 71, 60.571, 96.468 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 71, 60.571, 96.468 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 71, 60.571, 96.468

Background



This preview shows how black text looks on a background with the CIELCh color 71, 60.571, 96.468.



This preview shows how white text looks on a background with the CIELCh color 71, 60.571, 96.468.

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


71, 60.571, 96.468

Protanopia

71, 60.407, 95.157

Deuteranopia

71, 60.254, 81.370



Tritanopia
71, 16.481, 355.601

Trichromacy



Original Color
71, 60.571, 96.468

Protanomaly
71, 60.327, 95.579

Deuteranomaly
71, 59.819, 87.158

Tritanomaly
70, 23.441, 73.534

Monochromacy



Original Color
71, 60.571, 96.468

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 23.484, 101.712

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 60.571, 96.468 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(193, 175, 56)` looks like.

```
.text, #text, p{  
    color:rgb(193, 175, 56)  
}
```

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(193, 175, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 175, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 60.571, 96.468 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(193, 175, 56) }
```

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

```
.border{ border-color:rgb(193, 175, 56) }
```

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

Here you see how a box with a 4 pixel rgb(193, 175, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 175, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 175, 56);  
box-shadow:4px 4px 4px 4px rgb(193, 175,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 60.571, 96.468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 175, 56) }
```

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

```
.background{ background-color: rgb(193,  
175, 56) }
```

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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