

Converting Colors

CIELCh(68, 71.552, 97.362)

Have a look what the booklet for
CIELCh(68, 71.552, 97.362) contains.

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Color

CIELCh(68, 71.243, 97.332)

Conversions

Conversions Part 1

Format	Color
Hex	B7A800
RGB	183, 168, 0
RGB Percent	72%, 66%, 0%
CMY	0.2832, 0.3419, 1.0000
CMYK	0.00, 0.08, 1.00, 0.28
HSL	55°, 100%, 36%
HSV	55°, 100%, 72%
XYZ	33.4401, 37.9720, 5.5527
YIQ	153.3330, 62.8680, -49.0680

Conversions

Conversions Part 2

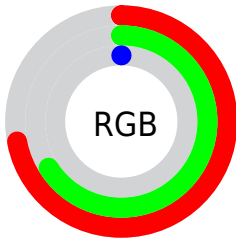
Format	Color
RYB	16, 183, 0
Decimal	12036096
CIELab	68.00, -9.09, 70.66
CIElCh	68, 71.243, 97.332
Yxy	37.9720, 0.4345, 0.4934
Android (android.graphics.Color)	4290226176 (0xFFB7A800)
YUV	153.3330, -75.5932, 26.0180
Hunter-Lab	61.6215, -10.9710, 37.7924

Details

The CIELCh color **68, 71.243, 97.332** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **23, 100.369, 305.247**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 71.236, 97.327**, and **48, 54.351, 98.214** is the 20% darker color. If you saturate the color by 10%, you get **68, 71.182, 97.336**, and if you desaturate by 10%, it is **68, 69.126, 98.001**.

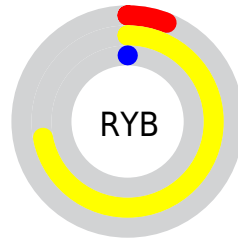
Distribution



Red (72%)

Green (66%)

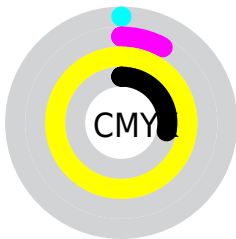
Blue (0%)



Red (6%)

Yellow (72%)

Blue (0%)

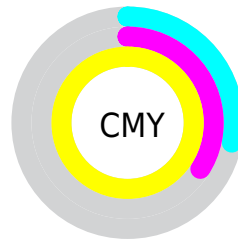


Cyan (0%)

Magenta (8%)

Yellow (100%)

Black (28%)



Cyan (28%)

Magenta (34%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 71.243, 97.332 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 68, 71.243, 97.332 by changing the saturation by 10% instead.

 68, 71.243, 97.332

 68, 71.243, 97.332

 100, 71.243,
97.332

 58, 71.243, 97.332

 88, 71.243, 97.332

 48, 71.243, 97.332

 98, 71.243, 97.332

 38, 71.243, 97.332

 28, 71.243, 97.332

 18, 71.243, 97.332

 8, 71.243, 97.332

 0, 71.243, 97.332

 68, 71.243, 97.332

 68, 71.243, 97.332

 68, 71.182, 97.336

 68, 69.126, 98.001

■ 69, 65.265, 98.746

■ 69, 59.535, 99.587

■ 70, 52.444,
100.511

■ 71, 44.464,
101.496

■ 71, 35.945,
102.521

■ 72, 27.118,
103.564

■ 73, 18.128,
104.609

■ 73, 9.068, 105.640

Harmonies

Complementary

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



68, 71.243, 97.332



23, 100.369, 305.247

Rectangle

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



68, 71.243, 97.332



68, 71.243, 147.332



68, 71.243, 277.332



68, 71.243, 327.332

Sweetspot

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



68, 71.182, 97.336



91, 33.502, 103.512



38, 77.946, 36.624



48, 22.994, 103.072



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



68, 71.182, 97.336



86, 86.442, 97.237



67, 82.644, 125.004



39, 5.156, 105.707



59, 63.230, 97.409



9, 13.496, 104.091

Inverse Universe

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



23, 100.369, 305.247



31, 122.970, 305.470



27, 98.896, 310.179



36, 5.250, 287.682



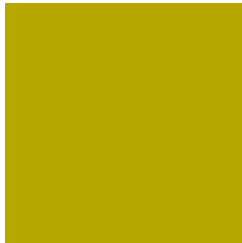
19, 88.513, 305.062



1, 14.453, 287.793

Previews

White Background



This preview shows how the CIELCh color 68, 71.243, 97.332 looks on a white background.

Color Contrast Check

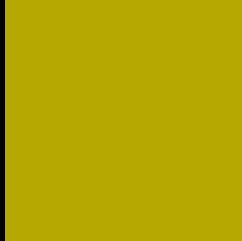
Large Text (above 18pt) WCAG AA × Fail

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 68, 71.243, 97.332 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 68, 71.243, 97.332

Background



This preview shows how black text looks on a background with the CIELCh color 68, 71.243, 97.332.



This preview shows how white text looks on a background with the CIELCh color 68, 71.243, 97.332.

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


68, 71.243, 97.332

Protanopia

68, 70.980, 95.054

Deuteranopia

68, 68.902, 82.788



Tritanopia
68, 15.696, 356.190

Trichromacy



Original Color
68, 71.243, 97.332

Protanomaly
68, 71.095, 96.196

Deuteranomaly
68, 69.348, 88.399

Tritanomaly
67, 31.747, 83.771

Monochromacy



Original Color
68, 71.243, 97.332

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 33.360, 102.073

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 71.243, 97.332 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(183, 168, 0)` looks like.

```
.text, #text, p{  
    color:rgb(183, 168, 0)  
}
```

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(183, 168, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 168, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 71.243, 97.332 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(183, 168, 0) }
```

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

```
.border{ border-color:rgb(183, 168, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 168, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 168, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 168, 0);  
box-shadow:4px 4px 4px 4px rgb(183, 168,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 71.243, 97.332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 168, 0) }
```

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

```
.background{ background-color: rgb(183,  
168, 0) }
```

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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