

Converting Colors

CIELCh(71, 61.150, 97.767)

Have a look what the booklet for
CIELCh(71, 61.150, 97.767) contains.

CIELCh(71, 61.150, 97.767)	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(71, 61.150, 97.767)

Conversions

Conversions Part 1

Format	Color
Hex	BFB037
RGB	191, 176, 55
RGB Percent	75%, 69%, 22%
CMY	0.2527, 0.3113, 0.7859
CMYK	0.00, 0.08, 0.71, 0.25
HSL	53°, 55%, 48%
HSV	53°, 71%, 75%
XYZ	37.5050, 42.1875, 9.7284
YIQ	166.6910, 47.7810, -34.4510

Conversions

Conversions Part 2

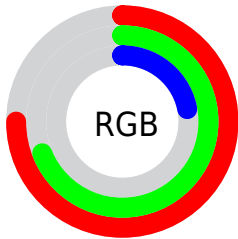
Format	Color
RYB	72, 191, 55
Decimal	12562487
CIELab	71.00, -8.26, 60.59
CIELCh	71, 61.150, 97.767
Yxy	42.1875, 0.4194, 0.4718
Android (android.graphics.Color)	4290752567 (0xFFBFB037)
YUV	166.6910, -55.0637, 21.3190
Hunter-Lab	64.9519, -10.5952, 36.5859

Details

The CIELCh color **71, 61.150, 97.767** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **36, 74.043, 298.319**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 61.185, 97.733**, and **51, 57.030, 97.997** is the 20% darker color. If you saturate the color by 10%, you get **70, 66.788, 96.829**, and if you desaturate by 10%, it is **72, 54.057, 98.768**.

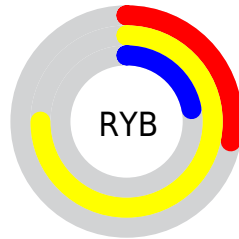
Distribution



Red (75%)

Green (69%)

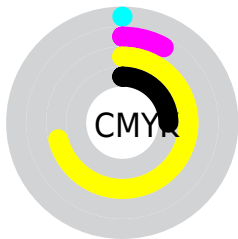
Blue (22%)



Red (28%)

Yellow (75%)

Blue (22%)

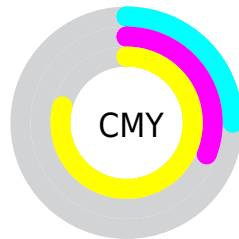


Cyan (0%)

Magenta (8%)

Yellow (71%)

Black (25%)



Cyan (25%)

Magenta (31%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 61.150, 97.767 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, 61.150, 97.767 by changing the saturation by 10% instead.

■ 71, 61.150, 97.767

■ 71, 61.150, 97.767

■ 100, 61.150,
97.767

■ 61, 61.150, 97.767

■ 91, 61.150, 97.767

■ 51, 61.150, 97.767

■ 41, 61.150, 97.767

■ 31, 61.150, 97.767

■ 21, 61.150, 97.767

■ 11, 61.150, 97.767

■ 1, 61.150, 97.767

■ 0, 61.150, 97.767

■ 71, 61.150, 97.767

■ 71, 61.150, 97.767

70, 66.788, 96.829

72, 54.057, 98.768

70, 70.428, 95.948

72, 46.025, 99.813

69, 72.083, 95.217

73, 37.433,
100.886

74, 28.530,
101.971

75, 19.472,
103.053

76, 10.352,
104.118

77, 1.227, 105.087

78, 7.870, 286.203

79, 16.918,
287.172

Harmonies

Complementary

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



71, 61.150, 97.767



36, 74.043, 298.319

Rectangle

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



71, 61.150, 97.767



71, 61.150, 147.767



71, 61.150, 277.767



71, 61.150, 327.767

Sweetspot

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



71, 61.150, 97.770



95, 23.664, 103.056



44, 59.294, 22.645



51, 16.142, 102.754



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, 61.150, 97.770



89, 84.236, 96.293



71, 70.359, 121.921



39, 5.123, 104.329



58, 62.836, 95.334



10, 14.623, 101.010

Inverse Universe

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



36, 74.043, 298.319



38, 111.253, 302.370



37, 81.443, 309.432



37, 5.210, 286.359



20, 88.002, 304.559



2, 16.059, 287.383

Previews

White Background



This preview shows how the CIELCh color 71, 61.150, 97.767 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, 61.150, 97.767 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, 61.150, 97.767

Background



This preview shows how black text looks on a background with the CIELCh color 71, 61.150, 97.767.



This preview shows how white text looks on a background with the CIELCh color 71, 61.150, 97.767.

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, 61.150, 97.767

Protanopia

71, 61.164, 95.185

Deuteranopia

71, 60.640, 81.469



Tritanopia
71, 15.425, 353.599

Trichromacy



Original Color
71, 61.150, 97.767

Protanomaly
71, 61.326, 96.481

Deuteranomaly
71, 60.055, 87.629

Tritanomaly
71, 23.155, 76.747

Monochromacy



Original Color
71, 61.150, 97.767

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 24.042, 101.764

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 61.150, 97.767 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, 176, 55)` looks like.

```
.text, #text, p{  
    color:rgb(191, 176, 55)  
}
```

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, 176, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 176, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 61.150, 97.767 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, 176, 55) }
```

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

```
.border{ border-color:rgb(191, 176, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 176, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 176, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 176, 55);  
box-shadow:4px 4px 4px 4px rgb(191, 176,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 61.150, 97.767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 176, 55) }
```

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

```
.background{ background-color: rgb(191,  
176, 55) }
```

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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