

Converting Colors

CIELCh(78, 69.539, 103.809)

Have a look what the booklet for
CIELCh(78, 69.539, 103.809)
contains.

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Color

CIELCh(78, 69.477, 103.802)

Conversions

Conversions Part 1

Format	Color
Hex	C7C737
RGB	199, 199, 55
RGB Percent	78%, 78%, 22%
CMY	0.2200, 0.2199, 0.7847
CMYK	0.00, 0.00, 0.72, 0.22
HSL	60°, 57%, 50%
HSV	60°, 72%, 78%
XYZ	44.6199, 53.2120, 11.5217
YIQ	182.5840, 46.2240, -44.7840

Conversions

Conversions Part 2

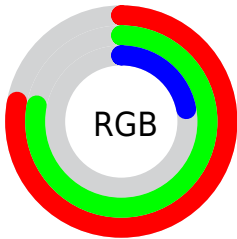
Format	Color
RYB	55, 199, 55
Decimal	13092663
CIELab	78.00, -16.57, 67.47
CIELCh	78, 69.477, 103.802
Yxy	53.2120, 0.4080, 0.4866
Android (android.graphics.Color)	4291282743 (0xFFC7C737)
YUV	182.5840, -62.8989, 14.3968
Hunter-Lab	72.9466, -18.4718, 41.6979

Details

The CIELCh color **78, 69.477, 103.802** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **33, 87.703, 302.293**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 69.155, 104.889**, and **58, 63.678, 104.527** is the 20% darker color. If you saturate the color by 10%, you get **78, 75.222, 103.301**, and if you desaturate by 10%, it is **78, 62.011, 104.471**.

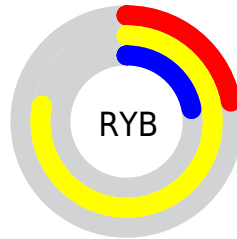
Distribution



Red (78%)

Green (78%)

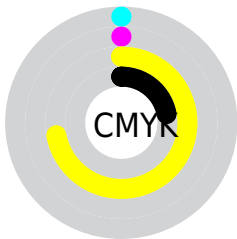
Blue (22%)



Red (22%)

Yellow (78%)

Blue (22%)

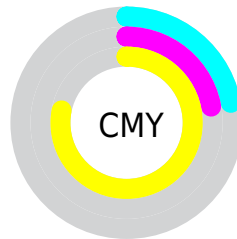


Cyan (0%)

Magenta (0%)

Yellow (72%)

Black (22%)



Cyan (22%)


Magenta (22%)


Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 69.477, 103.802 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 78, 69.477, 103.802 by changing the saturation by 10% instead.


 78, 69.477,
103.802


 78, 69.477,
103.802


 100, 69.477,
103.802


 68, 69.477,
103.802


 98, 69.477,
103.802

 58, 69.477,
103.802

 48, 69.477,
103.802

 38, 69.477,
103.802

 28, 69.477,
103.802

 18, 69.477,
103.802

 8, 69.477, 103.802

■ 0, 69.477, 103.802

■ 78, 69.477,
103.802

■ 78, 69.477,
103.802

■ 78, 75.222,
103.301

■ 78, 62.011,
104.471

■ 78, 78.834,
102.989

■ 78, 53.320,
105.262

■ 78, 80.380,
102.857

■ 79, 43.826,
106.139

■ 79, 33.830,
107.068

■ 79, 23.534,
108.026

■ 80, 13.071,
108.990

■ 80, 2.523, 109.929

■ 81, 8.053, 290.903

■ 81, 18.623,
291.810

Harmonies

Complementary

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



78, 69.477, 103.802



33, 87.703, 302.293

Rectangle

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



78, 69.477, 103.802



78, 69.477, 153.802



78, 69.477, 283.802



78, 69.477, 333.802

Sweetspot

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



78, 69.477, 103.804



99, 28.283, 108.033



46, 65.915, 31.179



53, 18.977, 107.768



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 69.477, 103.804



97, 93.582, 103.094



73, 76.029, 126.316



42, 5.982, 109.279



65, 69.399, 102.857



13, 20.289, 105.982

Inverse Universe

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



33, 87.703, 302.293



35, 125.828, 305.167



40, 84.818, 312.489



38, 6.114, 291.148



19, 95.828, 306.288



1, 21.510, 291.748

Previews

White Background



This preview shows how the CIELCh color 78, 69.477, 103.802 looks on a white background.

Color Contrast Check

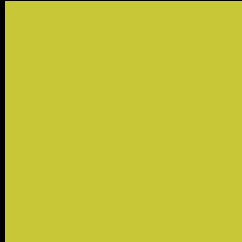
Large Text (above 18pt) WCAG AA × Fail

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 78, 69.477, 103.802 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 78, 69.477, 103.802

Background



This preview shows how black text looks on a background with the CIELCh color 78, 69.477, 103.802.



This preview shows how white text looks on a background with the CIELCh color 78, 69.477, 103.802.

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

78, 69.477, 103.802

Protanopia

78, 68.811, 95.307

Deuteranopia

78, 67.190, 81.565



Tritanopia
78, 11.909, 341.463

Trichromacy



Original Color
78, 69.477, 103.802

Protanomaly
78, 68.708, 98.299

Deuteranomaly
78, 66.673, 89.792

Tritanomaly
78, 24.307, 92.526

Monochromacy



Original Color
78, 69.477, 103.802

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 27.682, 107.526

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 69.477, 103.802 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(199, 199, 55)` looks like.

```
.text, #text, p{  
    color:rgb(199, 199, 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(199, 199, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 199, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 69.477, 103.802 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(199, 199, 55) }
```

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

```
.border{ border-color:rgb(199, 199, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 199, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 199, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 199, 55);  
box-shadow:4px 4px 4px 4px rgb(199, 199,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 69.477, 103.802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 199, 55) }
```

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

```
.background{ background-color: rgb(199,  
199, 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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