

Converting Colors

CIELCh(78, 80.037, 102.891)

Have a look what the booklet for
CIELCh(78, 80.037, 102.891)
contains.

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Color

CIELCh(78, 79.912, 102.894)

Conversions

Conversions Part 1

Format	Color
Hex	C7C706
RGB	199, 199, 6
RGB Percent	78%, 78%, 2%
CMY	0.2182, 0.2182, 0.9761
CMYK	0.00, 0.00, 0.97, 0.22
HSL	60°, 94%, 40%
HSV	60°, 97%, 78%
XYZ	44.1882, 53.2120, 8.1166
YIQ	176.9980, 61.9530, -60.0230

Conversions

Conversions Part 2

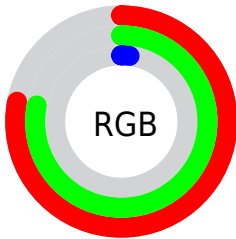
Format	Color
R_{YB}	6, 199, 6
Decimal	13092614
CIE _{Lab}	78.00, -17.83, 77.90
CIE _{LCh}	78, 79.912, 102.894
Yxy	53.2120, 0.4188, 0.5043
Android (android.graphics.Color)	4291282694 (0xFFC7C706)
YUV	176.9980, -84.3020, 19.2958
Hunter-Lab	72.9466, -19.5281, 44.4655

Details

The CIELCh color **78, 79.912, 102.894** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **25, 109.683, 306.036**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 79.711, 104.099**, and **58, 63.698, 104.944** is the 20% darker color. If you saturate the color by 10%, you get **78, 80.510, 102.845**, and if you desaturate by 10%, it is **78, 77.271, 103.123**.

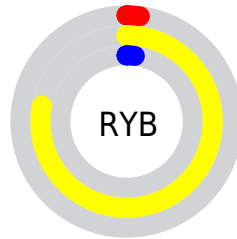
Distribution



Red (78%)

Green (78%)

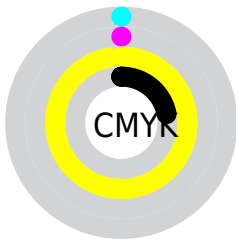
Blue (2%)



Red (2%)

Yellow (78%)

Blue (2%)

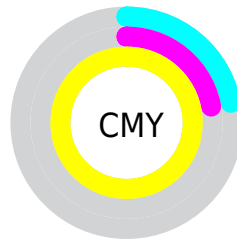


Cyan (0%)

Magenta (0%)

Yellow (97%)

Black (22%)



Cyan (22%)


Magenta (22%)

Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 79.912, 102.894 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, 79.912, 102.894 by changing the saturation by 10% instead.

 78, 79.912,
102.894

 78, 79.912,
102.894


 100, 79.912,
102.894


 68, 79.912,
102.894


 98, 79.912,
102.894

 58, 79.912,
102.894

 48, 79.912,
102.894

 38, 79.912,
102.894

 28, 79.912,
102.894

 18, 79.912,
102.894

 8, 79.912, 102.894

■ 0, 79.912, 102.894

■ 78, 79.912,
102.894

■ 78, 79.912,
102.894

■ 78, 80.510,
102.845

■ 78, 77.271,
103.123

■ 78, 72.453,
103.542

■ 78, 65.697,
104.140

■ 78, 57.490,
104.880

■ 79, 48.300,
105.722

■ 79, 38.485,
106.632

■ 79, 28.288,
107.580

■ 80, 17.870,
108.544

■ 80, 7.334, 109.503

Harmonies

Complementary

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



78, 79.912, 102.894



25, 109.683, 306.036

Rectangle

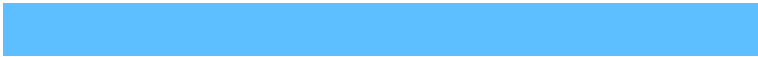
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78, 79.912, 102.894



78, 79.912, 152.894



78, 79.912, 282.894



78, 79.912, 332.894

Sweetspot

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



78, 79.911, 102.896



98, 37.126, 107.342



42, 84.528, 38.617



52, 25.390, 106.931



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, 79.911, 102.896



97, 96.902, 102.845



72, 89.210, 127.249



42, 5.981, 109.271



65, 69.394, 102.845



13, 20.287, 105.971

Inverse Universe

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



25, 109.683, 306.036



32, 133.811, 306.286



32, 102.760, 311.622



38, 6.113, 291.140



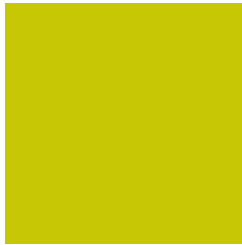
19, 95.823, 306.286



1, 21.508, 291.743

Previews

White Background



This preview shows how the CIELCh color 78, 79.912, 102.894 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 78, 79.912, 102.894 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, 79.912, 102.894

Background



This preview shows how black text looks on a background with the CIELCh color 78, 79.912, 102.894.



This preview shows how white text looks on a background with the CIELCh color 78, 79.912, 102.894.

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, 79.814, 102.902

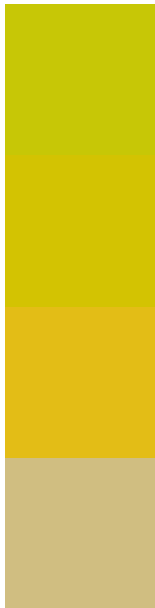
Protanopia
78, 79.366, 95.102

Deuteranopia
78, 76.439, 82.638



Tritanopia
78, 13.113, 342.824

Trichromacy



Original Color
78, 79.814, 102.902

Protanomaly
78, 79.321, 97.729

Deuteranomaly
78, 76.796, 90.298

Tritanomaly
77, 33.213, 94.091

Monochromacy



Original Color
78, 79.814, 102.902

Achromatopsia
72, 0.009, 296.813

Achromatomaly
74, 37.071, 106.571

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 79.912, 102.894 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, 6)` looks like.

```
.text, #text, p{  
    color:rgb(199, 199, 6)  
}
```

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, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 199, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 79.912, 102.894 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, 6) }
```

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

```
.border{ border-color:rgb(199, 199, 6) }
```

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, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 199, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 199, 6);  
box-shadow:4px 4px 4px 4px rgb(199, 199,  
6) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 79.912, 102.894 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, 6) }
```

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

```
.background{ background-color: rgb(199,  
199, 6) }
```

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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