

Converting Colors

CIELCh(78, 80.404, 102.852)

Have a look what the booklet for
CIELCh(78, 80.404, 102.852)
contains.

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Color

CIELCh(78, 80.305, 102.860)

Conversions

Conversions Part 1

Format	Color
Hex	C7C702
RGB	199, 199, 2
RGB Percent	78%, 78%, 1%
CMY	0.2181, 0.2182, 0.9916
CMYK	0.00, 0.00, 0.99, 0.22
HSL	60°, 98%, 40%
HSV	60°, 99%, 78%
XYZ	44.1741, 53.2120, 8.0032
YIQ	176.5420, 63.2370, -61.2670

Conversions

Conversions Part 2

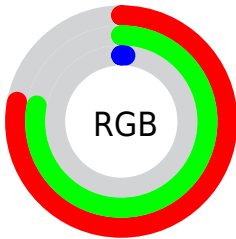
Format	Color
R_{YB}	2, 199, 2
Decimal	13092610
CIE _{Lab}	78.00, -17.87, 78.29
CIE _{LCh}	78, 80.305, 102.860
Yxy	53.2120, 0.4192, 0.5049
Android (android.graphics.Color)	4291282690 (0xFFC7C702)
YUV	176.5420, -86.0492, 19.6957
Hunter-Lab	72.9466, -19.5627, 44.5577

Details

The CIELCh color **78, 80.305, 102.860** 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 **24, 110.654, 306.198**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 80.067, 104.072**, and **58, 63.698, 104.944** is the 20% darker color. If you saturate the color by 10%, you get **78, 80.514, 102.844**, and if you desaturate by 10%, it is **78, 77.972, 103.062**.

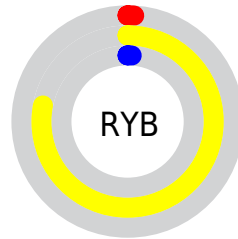
Distribution



Red (78%)

Green (78%)

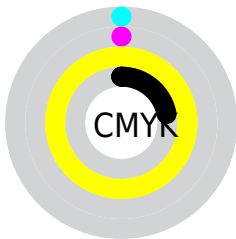
Blue (1%)



Red (1%)

Yellow (78%)

Blue (1%)

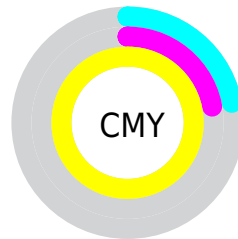


Cyan (0%)

Magenta (0%)

Yellow (99%)

Black (22%)



Cyan (22%)


Magenta (22%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 80.305, 102.860 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, 80.305, 102.860 by changing the saturation by 10% instead.


 78, 80.305,
102.860


 78, 80.305,
102.860


 100, 80.305,
102.860


 68, 80.305,
102.860


 98, 80.305,
102.860

 58, 80.305,
102.860

 48, 80.305,
102.860

 38, 80.305,
102.860

 28, 80.305,
102.860

 18, 80.305,
102.860

 8, 80.305, 102.860

■ 0, 80.305, 102.860

■ 78, 80.305,
102.860

■ 78, 80.305,
102.860

■ 78, 80.514,
102.844

■ 78, 77.972,
103.062

■ 78, 73.586,
103.443

■ 78, 67.179,
104.008

■ 78, 59.221,
104.723

■ 79, 50.195,
105.548

■ 79, 40.480,
106.446

■ 79, 30.344,
107.388

■ 80, 19.960,
108.351

■ 80, 9.440, 109.313

Harmonies

Complementary

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



78, 80.305, 102.860



24, 110.654, 306.198

Rectangle

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



78, 80.305, 102.860



78, 80.305, 152.860



78, 80.305, 282.860



78, 80.305, 332.860

Sweetspot

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



78, 80.304, 102.862



98, 38.378, 107.245



42, 85.568, 39.102



52, 26.093, 106.840



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, 80.304, 102.862



97, 96.901, 102.844



72, 89.873, 127.459



42, 5.981, 109.270



65, 69.393, 102.844



13, 20.287, 105.970

Inverse Universe

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



24, 110.654, 306.198



32, 133.811, 306.286



31, 103.638, 311.517



38, 6.113, 291.140



19, 95.822, 306.285



1, 21.508, 291.743

Previews

White Background



This preview shows how the CIELCh color 78, 80.305, 102.860 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, 80.305, 102.860 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, 80.305, 102.860

Background



This preview shows how black text looks on a background with the CIELCh color 78, 80.305, 102.860.

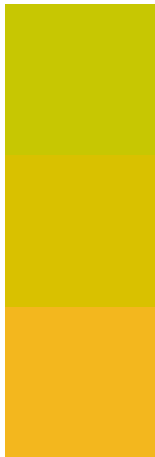


This preview shows how white text looks on a background with the CIELCh color 78, 80.305, 102.860.

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, 80.207, 102.869

Protanopia

78, 79.366, 95.102

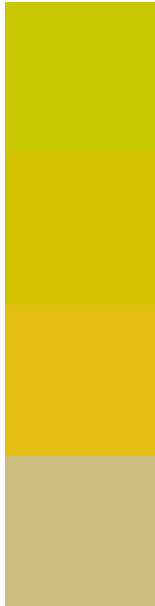
Deuteranopia

78, 76.656, 82.674



Tritanopia
78, 13.113, 342.824

Trichromacy



Original Color
78, 80.207, 102.869

Protanomaly
78, 79.422, 97.726

Deuteranomaly
78, 77.122, 90.320

Tritanomaly
77, 33.719, 94.223

Monochromacy



Original Color
78, 80.207, 102.869

Achromatopsia
72, 0.009, 296.813

Achromatomaly
74, 38.087, 106.471

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 80.305, 102.860 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, 2)` looks like.

```
.text, #text, p{  
    color:rgb(199, 199, 2)  
}
```

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, 2) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 78, 80.305, 102.860 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, 2) }
```

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

```
.border{ border-color:rgb(199, 199, 2) }
```

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, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 199, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 199, 2);  
box-shadow:4px 4px 4px 4px rgb(199, 199,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 80.305, 102.860 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, 2) }
```

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

```
.background{ background-color: rgb(199,  
199, 2) }
```

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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