

Converting Colors

CIELCh(79, 81.142, 102.055)

Have a look what the booklet for
CIELCh(79, 81.142, 102.055)
contains.

CIELCh(79, 81.213, 102.240)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(79, 81.213, 102.240)

Conversions

Conversions Part 1

Format	Color
Hex	CCCA00
RGB	204, 202, 0
RGB Percent	80%, 79%, 0%
CMY	0.2010, 0.2088, 0.9989
CMYK	0.00, 0.01, 1.00, 0.20
HSL	59°, 100%, 40%
HSV	59°, 100%, 80%
XYZ	45.8952, 54.9284, 8.1903
YIQ	179.5700, 66.0340, -62.3980

Conversions

Conversions Part 2

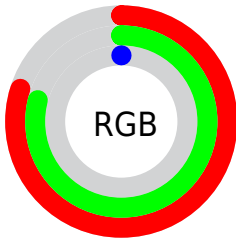
Format	Color
R_{YB}	2, 204, 0
Decimal	13421056
CIE _{Lab}	79.00, -17.22, 79.37
CIE _{LCh}	79, 81.213, 102.240
Yxy	54.9284, 0.4210, 0.5039
Android (android.graphics.Color)	4291611136 (0xFFCCCA00)
YUV	179.5700, -88.5280, 21.4251
Hunter-Lab	74.1137, -19.1621, 45.3274

Details

The CIELCh color **79, 81.213, 102.240** 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, 112.504, 306.173**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 80.067, 104.072**, and **59, 64.620, 104.086** is the 20% darker color. If you saturate the color by 10%, you get **79, 81.238, 102.239**, and if you desaturate by 10%, it is **79, 79.027, 102.480**.

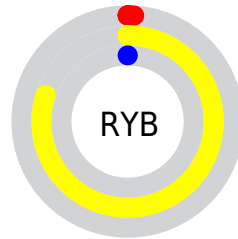
Distribution



Red (80%)

Green (79%)

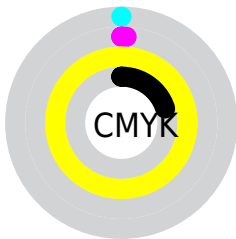
Blue (0%)



Red (1%)

Yellow (80%)

Blue (0%)

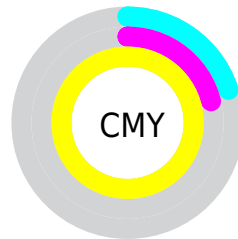


Cyan (0%)

Magenta (1%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (21%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 81.213, 102.240 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 79, 81.213, 102.240 by changing the saturation by 10% instead.

 79, 81.213,
102.240

 79, 81.213,
102.240


 100, 81.213,
102.240


 69, 81.213,
102.240


 99, 81.213,
102.240

 59, 81.213,
102.240

 49, 81.213,
102.240

 39, 81.213,
102.240

 29, 81.213,
102.240

 19, 81.213,
102.240

 9, 81.213, 102.240

■ 0, 81.213, 102.240

■ 79, 81.213,
102.240

■ 79, 81.213,
102.240

■ 79, 81.238,
102.239

■ 79, 79.027,
102.480

■ 79, 74.822,
102.881

■ 79, 68.518,
103.462

■ 80, 60.591,
104.190

■ 80, 51.545,
105.026

■ 80, 41.780,
105.936

■ 80, 31.575,
106.888

■ 81, 21.113,
107.861

■ 81, 10.513,
108.834

Harmonies

Complementary

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



79, 81.213, 102.240



25, 112.504, 306.173

Rectangle

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



79, 81.213, 102.240



79, 81.213, 152.240



79, 81.213, 282.240



79, 81.213, 332.240

Sweetspot

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



79, 81.212, 102.242



98, 38.037, 106.838



42, 87.499, 39.360



52, 25.865, 106.428



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



79, 81.212, 102.242



96, 96.198, 102.231



74, 91.671, 127.578



43, 6.050, 108.879



66, 69.695, 102.248



14, 21.683, 104.880

Inverse Universe

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



25, 112.504, 306.173



32, 133.434, 306.209



32, 105.765, 311.456



39, 6.181, 290.769



19, 96.458, 306.154



1, 23.373, 292.215

Previews

White Background



This preview shows how the CIELCh color 79, 81.213, 102.240 looks on a white background.

Color Contrast Check

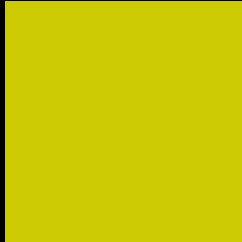
Large Text (above 18pt) WCAG AA × Fail

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 79, 81.213, 102.240 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 79, 81.213, 102.240

Background



This preview shows how black text looks on a background with the CIELCh color 79, 81.213, 102.240.

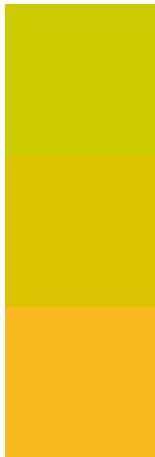


This preview shows how white text looks on a background with the CIELCh color 79, 81.213, 102.240.

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

79, 81.310, 102.233

Protanopia

79, 80.329, 94.896

Deuteranopia

79, 77.626, 82.271



Tritanopia
79, 13.072, 345.716

Trichromacy



Original Color
79, 81.310, 102.233

Protanomaly
79, 80.469, 97.480

Deuteranomaly
79, 78.120, 89.816

Tritanomaly
78, 34.738, 93.865

Monochromacy



Original Color
79, 81.310, 102.233

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 38.536, 105.834

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 81.213, 102.240 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(204, 202, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 202, 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(204, 202, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 202, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 81.213, 102.240 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(204, 202, 0) }
```

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

```
.border{ border-color:rgb(204, 202, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 202, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 202, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 202, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 202,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 81.213, 102.240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 202, 0) }
```

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

```
.background{ background-color: rgb(204,  
202, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor