

Converting Colors

CIELCh(80, 81.911, 102.852)

Have a look what the booklet for
CIELCh(80, 81.911, 102.852)
contains.

CIELCh(80, 81.928, 102.876)	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(80, 81.928, 102.876)

Conversions

Conversions Part 1

Format	Color
Hex	CDCD03
RGB	205, 205, 3
RGB Percent	80%, 80%, 1%
CMY	0.1959, 0.1959, 0.9875
CMYK	0.00, 0.00, 0.98, 0.20
HSL	60°, 97%, 41%
HSV	60°, 98%, 80%
XYZ	47.0529, 56.6813, 8.5515
YIQ	181.9720, 64.8420, -62.8220

Conversions

Conversions Part 2

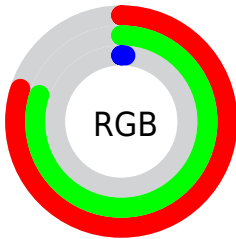
Format	Color
R_{YB}	3, 205, 3
Decimal	13487363
CIE Lab	80.00, -18.26, 79.87
CIE LCh	80, 81.928, 102.876
Yxy	56.6813, 0.4190, 0.5048
Android (android.graphics.Color)	4291677443 (0xFFCDCD03)
YUV	181.9720, -88.2332, 20.1956
Hunter-Lab	75.2870, -20.1931, 45.9664

Details

The CIELCh color **80, 81.928, 102.876** 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, 112.789, 306.164**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 79.352, 104.125**, and **60, 65.610, 104.869** is the 20% darker color. If you saturate the color by 10%, you get **80, 82.228, 102.853**, and if you desaturate by 10%, it is **80, 79.522, 103.080**.

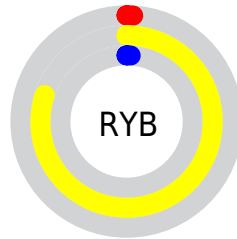
Distribution



Red (80%)

Green (80%)

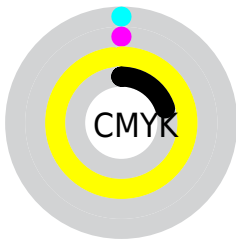
Blue (1%)



Red (1%)

Yellow (80%)

Blue (1%)

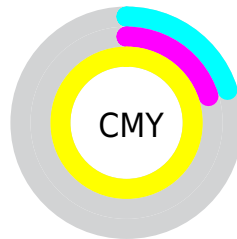


Cyan (0%)

Magenta (0%)

Yellow (98%)

Black (20%)



Cyan (20%)


Magenta (20%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 81.928, 102.876 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 80, 81.928, 102.876 by changing the saturation by 10% instead.


 80, 81.928,
102.876


 80, 81.928,
102.876


 100, 81.928,
102.876


 70, 81.928,
102.876

 60, 81.928,
102.876

 50, 81.928,
102.876

 40, 81.928,
102.876

 30, 81.928,
102.876

 20, 81.928,
102.876

 10, 81.928,

102.876

■ 0, 81.928, 102.876

■ 80, 81.928,
102.876

■ 80, 81.928,
102.876

■ 80, 82.228,
102.853

■ 80, 79.522,
103.080

■ 80, 74.960,
103.467

■ 80, 68.340,
104.038

■ 80, 60.149,
104.759

■ 81, 50.879,
105.589

■ 81, 40.918,
106.491

■ 81, 30.533,
107.436

■ 82, 19.900,
108.401

■ 82, 9.133, 109.364

Harmonies

Complementary

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



80, 81.928, 102.876



25, 112.789, 306.164

Rectangle

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



80, 81.928, 102.876



80, 81.928, 152.876



80, 81.928, 282.876



80, 81.928, 332.876

Sweetspot

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



80, 81.927, 102.878



98, 38.382, 107.251



43, 87.843, 39.584



52, 26.096, 106.846



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 81.927, 102.878



97, 96.910, 102.853



74, 92.147, 128.000



43, 6.108, 109.273



66, 70.197, 102.853



15, 21.914, 105.382

Inverse Universe

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



25, 112.789, 306.164



32, 133.816, 306.287



33, 105.286, 311.901



39, 6.243, 291.149



19, 96.930, 306.287



1, 23.534, 292.446

Previews

White Background



This preview shows how the CIELCh color 80, 81.928, 102.876 looks on a white background.

Color Contrast Check

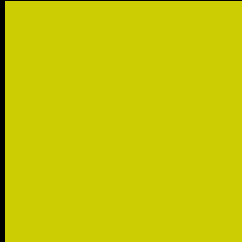
Large Text (above 18pt) WCAG AA × Fail

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 80, 81.928, 102.876 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 80, 81.928, 102.876

Background



This preview shows how black text looks on a background with the CIELCh color 80, 81.928, 102.876.

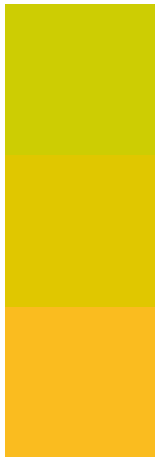


This preview shows how white text looks on a background with the CIELCh color 80, 81.928, 102.876.

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
80, 81.928, 102.876

Protanopia
80, 81.221, 95.007

Deuteranopia
80, 78.320, 82.536



Tritanopia
80, 12.734, 344.705

Trichromacy



Original Color
80, 81.928, 102.876

Protanomaly
80, 81.228, 97.869

Deuteranomaly
80, 78.733, 89.983

Tritanomaly
79, 34.547, 94.602

Monochromacy



Original Color
80, 81.928, 102.876

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 38.442, 106.510

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 81.928, 102.876 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(205, 205, 3)` looks like.

```
.text, #text, p{  
    color:rgb(205, 205, 3)  
}
```

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(205, 205, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 205, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 81.928, 102.876 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(205, 205, 3) }
```

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

```
.border{ border-color:rgb(205, 205, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 205, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 205, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 205, 3);  
box-shadow:4px 4px 4px 4px rgb(205, 205,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 81.928, 102.876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 205, 3) }
```

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

```
.background{ background-color: rgb(205,  
205, 3) }
```

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