

Converting Colors

CIELCh(80, 82.237, 102.909)

Have a look what the booklet for
CIELCh(80, 82.237, 102.909)
contains.

CIELCh(80, 82.211, 102.852)	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, 82.211, 102.852)

Conversions

Conversions Part 1

Format	Color
Hex	CDCD00
RGB	205, 205, 0
RGB Percent	80%, 80%, 0%
CMY	0.1958, 0.1958, 0.9991
CMYK	0.00, 0.00, 1.00, 0.20
HSL	60°, 100%, 40%
HSV	60°, 100%, 80%
XYZ	47.0424, 56.6813, 8.4668
YIQ	181.6300, 65.8050, -63.7550

Conversions

Conversions Part 2

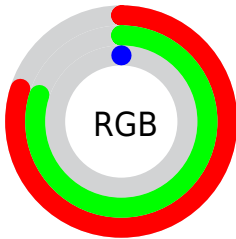
Format	Color
RYB	0, 205, 0
Decimal	13487360
CIELab	80.00, -18.29, 80.15
CIELCh	80, 82.211, 102.852
Yxy	56.6813, 0.4193, 0.5052
Android (android.graphics.Color)	4291677440 (0xFFCDCD00)
YUV	181.6300, -89.5436, 20.4955
Hunter-Lab	75.2870, -20.2180, 46.0331

Details

The CIELCh color **80, 82.211, 102.852** 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, 113.494, 306.279**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 79.711, 104.099**, and **60, 65.610, 104.869** is the 20% darker color. If you saturate the color by 10%, you get **80, 82.231, 102.852**, and if you desaturate by 10%, it is **80, 79.995, 103.040**.

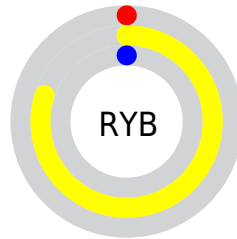
Distribution



Red (80%)

Green (80%)

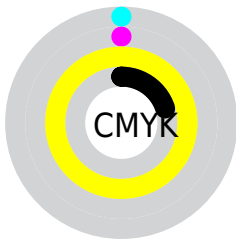
Blue (0%)



Red (0%)

Yellow (80%)

Blue (0%)

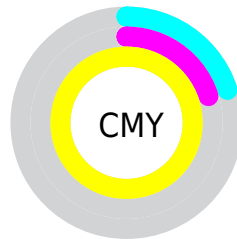


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 82.211, 102.852 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, 82.211, 102.852 by changing the saturation by 10% instead.


 80, 82.211,
102.852


 80, 82.211,
102.852


 100, 82.211,
102.852


 70, 82.211,
102.852

 60, 82.211,
102.852

 50, 82.211,
102.852

 40, 82.211,
102.852

 30, 82.211,
102.852

 20, 82.211,
102.852

 10, 82.211,

102.852

■ 0, 82.211, 102.852

■ 80, 82.211,
102.852

■ 80, 82.211,
102.852

■ 80, 82.231,
102.852

■ 80, 79.995,
103.040

■ 80, 75.760,
103.398

■ 80, 69.410,
103.945

■ 80, 61.414,
104.646

■ 81, 52.273,
105.463

■ 81, 42.393,
106.357

■ 81, 32.056,
107.297

■ 81, 21.450,
108.260

■ 82, 10.696,
109.225

Harmonies

Complementary

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



80, 82.211, 102.852



25, 113.494, 306.279

Rectangle

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



80, 82.211, 102.852



80, 82.211, 152.852



80, 82.211, 282.852



80, 82.211, 332.852

Sweetspot

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



80, 82.210, 102.854



98, 38.382, 107.250



43, 88.672, 39.970



52, 26.096, 106.845



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, 82.210, 102.854



97, 96.910, 102.852



74, 92.635, 128.149



43, 6.108, 109.273



66, 70.197, 102.852



15, 21.914, 105.382

Inverse Universe

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



25, 113.494, 306.279



32, 133.816, 306.287



32, 105.916, 311.823



39, 6.243, 291.148



19, 96.930, 306.287



1, 23.534, 292.446

Previews

White Background



This preview shows how the CIELCh color 80, 82.211, 102.852 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, 82.211, 102.852 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, 82.211, 102.852

Background



This preview shows how black text looks on a background with the CIELCh color 80, 82.211, 102.852.

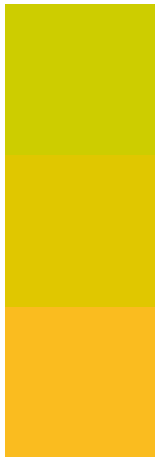


This preview shows how white text looks on a background with the CIELCh color 80, 82.211, 102.852.

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, 82.211, 102.852

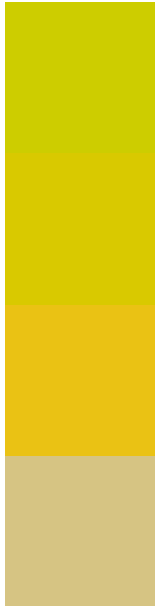
Protanopia
80, 81.221, 95.007

Deuteranopia
80, 78.320, 82.536



Tritanopia
80, 13.041, 342.794

Trichromacy



Original Color
80, 82.211, 102.852

Protanomaly
80, 81.324, 97.866

Deuteranomaly
80, 78.888, 89.994

Tritanomaly
79, 35.051, 94.719

Monochromacy



Original Color
80, 82.211, 102.852

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 38.947, 106.462

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 82.211, 102.852 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(205, 205, 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(205, 205, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 205, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 82.211, 102.852 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, 0) }
```

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

```
.border{ border-color:rgb(205, 205, 0) }
```

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, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 205, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 205, 0);  
box-shadow:4px 4px 4px 4px rgb(205, 205,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 82.211, 102.852 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, 0) }
```

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

```
.background{ background-color: rgb(205,  
205, 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