

Converting Colors

CIELCh(78, 79.900, 101.817)

Have a look what the booklet for
CIELCh(78, 79.900, 101.817)
contains.

CIELCh(78, 80.016, 101.939)	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(78, 80.016, 101.939)

Conversions

Conversions Part 1

Format	Color
Hex	CAC703
RGB	202, 199, 3
RGB Percent	79%, 78%, 1%
CMY	0.2092, 0.2209, 0.9882
CMYK	0.00, 0.01, 0.99, 0.21
HSL	59°, 97%, 40%
HSV	59°, 99%, 79%
XYZ	44.6275, 53.2120, 8.0048
YIQ	177.5530, 64.7040, -60.3200

Conversions

Conversions Part 2

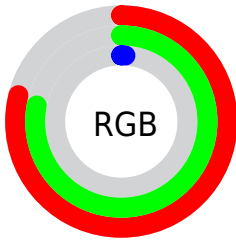
Format	Color
R _Y B	6, 202, 3
Decimal	13289219
CIE Lab	78.00, -16.55, 78.29
CIE LCh	78, 80.016, 101.939
Yxy	53.2120, 0.4216, 0.5027
Android (android.graphics.Color)	4291479299 (0xFFCAC703)
YUV	177.5530, -86.0546, 21.4400
Hunter-Lab	72.9466, -18.4532, 44.5564

Details

The CIELCh color **78, 80.016, 101.939** 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, 110.756, 306.008**, 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, 63.650, 103.691** is the 20% darker color. If you saturate the color by 10%, you get **78, 80.300, 101.905**, and if you desaturate by 10%, it is **78, 77.670, 102.222**.

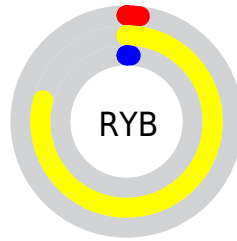
Distribution



Red (79%)

Green (78%)

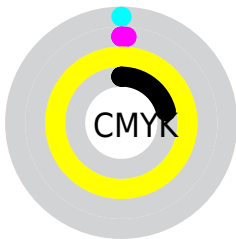
Blue (1%)



Red (2%)

Yellow (79%)

Blue (1%)

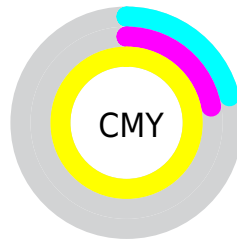


Cyan (0%)

Magenta (1%)

Yellow (99%)

Black (21%)



Cyan (21%)


Magenta (22%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 80.016, 101.939 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, 80.016, 101.939 by changing the saturation by 10% instead.


 78, 80.016,
101.939


 78, 80.016,
101.939


 100, 80.016,
101.939


 68, 80.016,
101.939


 98, 80.016,
101.939

 58, 80.016,
101.939

 48, 80.016,
101.939

 38, 80.016,
101.939

 28, 80.016,
101.939

 18, 80.016,
101.939

 8, 80.016, 101.939

■ 0, 80.016, 101.939

■ 78, 80.016,
101.939

■ 78, 80.016,
101.939

■ 78, 80.300,
101.905

■ 78, 77.670,
102.222

■ 78, 73.194,
102.672

■ 78, 66.695,
103.293

■ 79, 58.669,
104.051

■ 79, 49.606,
104.910

■ 79, 39.883,
105.835

■ 80, 29.761,
106.798

■ 80, 19.410,
107.776

■ 81, 8.938, 108.751

Harmonies

Complementary

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



78, 80.016, 101.939



25, 110.756, 306.008

Rectangle

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



78, 80.016, 101.939



78, 80.016, 151.939



78, 80.016, 281.939



78, 80.016, 331.939

Sweetspot

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



78, 80.015, 101.941



98, 37.852, 106.612



42, 86.083, 39.008



52, 25.741, 106.199



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, 80.015, 101.941



96, 95.818, 101.891



73, 90.506, 127.426



43, 6.018, 108.664



65, 69.427, 101.918



14, 21.559, 104.604

Inverse Universe

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



25, 110.756, 306.008



32, 133.230, 306.167



32, 104.340, 311.532



39, 6.148, 290.561



19, 96.206, 306.082



1, 23.286, 292.089

Previews

White Background



This preview shows how the CIELCh color 78, 80.016, 101.939 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, 80.016, 101.939 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, 80.016, 101.939

Background



This preview shows how black text looks on a background with the CIELCh color 78, 80.016, 101.939.

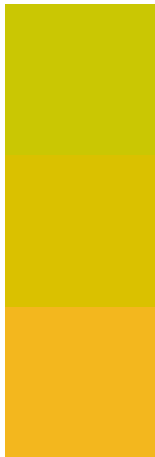


This preview shows how white text looks on a background with the CIELCh color 78, 80.016, 101.939.

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, 80.114, 101.932

Protanopia

78, 79.435, 94.782

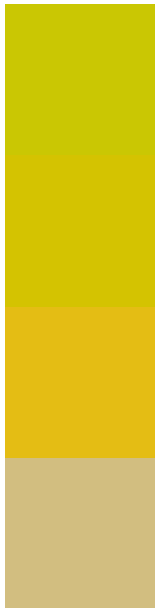
Deuteranopia

78, 76.656, 82.674



Tritanopia
78, 13.417, 346.686

Trichromacy



Original Color
78, 80.114, 101.932

Protanomaly
78, 79.467, 97.406

Deuteranomaly
78, 77.236, 89.998

Tritanomaly
77, 33.930, 92.845

Monochromacy



Original Color
78, 80.114, 101.932

Achromatopsia
72, 0.009, 296.813

Achromatomaly
74, 37.582, 105.882

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 80.016, 101.939 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(202, 199, 3)` looks like.

```
.text, #text, p{  
    color:rgb(202, 199, 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(202, 199, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 199, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 80.016, 101.939 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(202, 199, 3) }
```

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

```
.border{ border-color:rgb(202, 199, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 199, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 199, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 199, 3);  
box-shadow:4px 4px 4px 4px rgb(202, 199,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 80.016, 101.939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 199, 3) }
```

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

```
.background{ background-color: rgb(202,  
199, 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