

Converting Colors

CIELCh(80, 61.434, 107.109)

Have a look what the booklet for
CIELCh(80, 61.434, 107.109)
contains.

CIELCh(80, 61.119, 107.072)	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, 61.119, 107.072)

Conversions

Conversions Part 1

Format	Color
Hex	C7CD53
RGB	199, 205, 83
RGB Percent	78%, 80%, 33%
CMY	0.2180, 0.1945, 0.6730
CMYK	0.03, 0.00, 0.59, 0.19
HSL	63°, 55%, 57%
HSV	63°, 59%, 81%
XYZ	47.1651, 56.6813, 16.7160
YIQ	189.2980, 35.5860, -39.2140

Conversions

Conversions Part 2

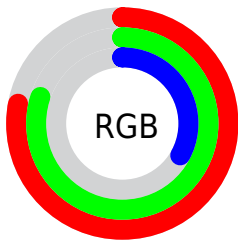
Format	Color
R _Y B	83, 205, 89
Decimal	13094227
CIE Lab	80.00, -17.94, 58.43
CIE LCh	80, 61.119, 107.072
Yxy	56.6813, 0.3912, 0.4701
Android (android.graphics.Color)	4291284307 (0xFFC7CD53)
YUV	189.2980, -52.4049, 8.5087
Hunter-Lab	75.2870, -19.9271, 39.5367

Details

The CIELCh color **80, 61.119, 107.072** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **42, 72.737, 300.465**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 58.151, 105.727**, and **60, 61.247, 107.185** is the 20% darker color. If you saturate the color by 10%, you get **80, 69.209, 106.469**, and if you desaturate by 10%, it is **80, 51.914, 107.810**.

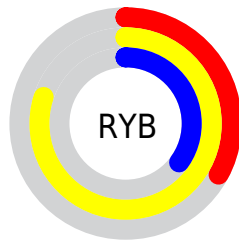
Distribution



Red (78%)

Green (80%)

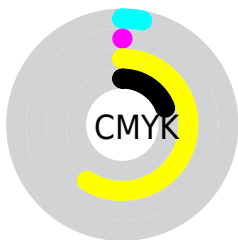
Blue (33%)



Red (33%)

Yellow (80%)

Blue (35%)

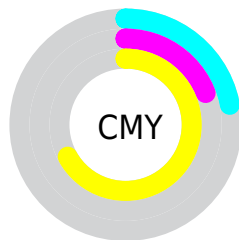


Cyan (3%)

Magenta (0%)

Yellow (59%)

Black (19%)



Cyan (22%)


Magenta (19%)


Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 61.119, 107.072 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, 61.119, 107.072 by changing the saturation by 10% instead.


 80, 61.119,
107.072


 80, 61.119,
107.072


 100, 61.119,
107.072


 70, 61.119,
107.072

 60, 61.119,
107.072

 50, 61.119,
107.072

 40, 61.119,
107.072

 30, 61.119,
107.072

 20, 61.119,
107.072

 10, 61.119,

107.072

■ 0, 61.119, 107.072

■ 80, 61.119,
107.072

■ 80, 61.119,
107.072

■ 80, 69.209,
106.469

■ 80, 51.914,
107.810

■ 80, 75.683,
106.047

■ 81, 41.986,
108.629

■ 79, 80.064,
105.858

■ 81, 31.612,
109.498

■ 79, 82.372,
105.898

■ 81, 20.975,
110.387

■ 79, 82.489,
105.902

■ 82, 10.192,
111.278

■ 83, 0.658, 292.233

■ 83, 11.526,
293.023

■ 84, 22.376,
293.846

■ 84, 26.229,
294.596

Harmonies

Complementary

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



80, 61.119, 107.072



42, 72.737, 300.465

Rectangle

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



80, 61.119, 107.072



80, 61.119, 157.072



80, 61.119, 287.072



80, 61.119, 337.072

Sweetspot

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



80, 61.120, 107.074



99, 23.202, 110.493



52, 53.250, 29.149



53, 16.104, 110.229



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, 61.120, 107.074



97, 83.564, 106.345



76, 66.945, 127.607



43, 6.114, 111.279



65, 70.328, 105.857



14, 21.941, 108.268

Inverse Universe

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



42, 72.737, 300.465



44, 104.910, 302.892



48, 72.591, 313.037



39, 6.250, 292.997



19, 96.668, 306.452



1, 23.562, 293.715

Previews

White Background



This preview shows how the CIELCh color 80, 61.119, 107.072 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, 61.119, 107.072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

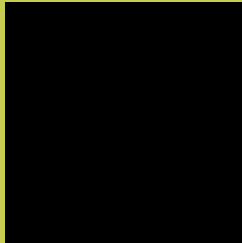
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 61.119, 107.072

Background



This preview shows how black text looks on a background with the CIELCh color 80, 61.119, 107.072.



This preview shows how white text looks on a background with the CIELCh color 80, 61.119, 107.072.

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, 61.119, 107.072

Protanopia
80, 60.015, 95.141

Deuteranopia
80, 58.266, 80.340



Tritanopia
80, 10.613, 331.429

Trichromacy



Original Color
80, 61.119, 107.072

Protanomaly
80, 60.117, 99.766

Deuteranomaly
80, 57.675, 90.571

Tritanomaly
80, 18.864, 97.665

Monochromacy



Original Color
80, 61.119, 107.072

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 23.870, 110.828

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 61.119, 107.072 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, 205, 83)` looks like.

```
.text, #text, p{  
    color:rgb(199, 205, 83)  
}
```

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, 205, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 205, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 61.119, 107.072 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, 205, 83) }
```

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

```
.border{ border-color:rgb(199, 205, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 205, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 205, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 205, 83);  
box-shadow:4px 4px 4px 4px rgb(199, 205,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 61.119, 107.072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 205, 83) }
```

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

```
.background{ background-color: rgb(199,  
205, 83) }
```

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