

Converting Colors

CIELCh(82, 72.280, 109.308)

Have a look what the booklet for
CIELCh(82, 72.280, 109.308)
contains.

CIELCh(82, 72.303, 109.320)	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(82, 72.303, 109.320)

Conversions

Conversions Part 1

Format	Color
Hex	C6D640
RGB	198, 214, 64
RGB Percent	78%, 84%, 25%
CMY	0.2246, 0.1618, 0.7501
CMYK	0.07, 0.00, 0.70, 0.16
HSL	66°, 65%, 54%
HSV	66°, 70%, 84%
XYZ	48.1160, 60.2982, 13.9124
YIQ	192.1160, 38.6140, -50.0420

Conversions

Conversions Part 2

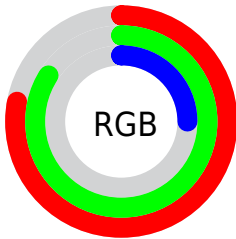
Format	Color
RYB	64, 214, 80
Decimal	13030976
CIELab	82.00, -23.92, 68.23
CIElCh	82, 72.303, 109.320
Yxy	60.2982, 0.3933, 0.4929
Android (android.graphics.Color)	4291221056 (0xFFC6D640)
YUV	192.1160, -63.1612, 5.1603
Hunter-Lab	77.6519, -25.2855, 43.7337

Details

The CIELCh color **82, 72.303, 109.320** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **38, 89.514, 303.541**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 65.303, 105.181**, and **62, 68.682, 109.670** is the 20% darker color. If you saturate the color by 10%, you get **82, 78.873, 109.072**, and if you desaturate by 10%, it is **82, 64.025, 109.796**.

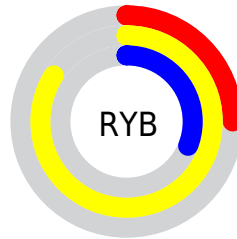
Distribution



Red (78%)

Green (84%)

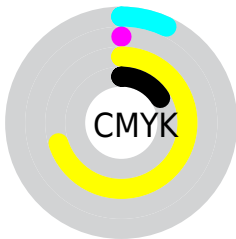
Blue (25%)



Red (25%)

Yellow (84%)

Blue (31%)

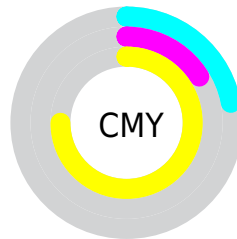


Cyan (7%)

Magenta (0%)

Yellow (70%)

Black (16%)



Cyan (22%)


Magenta (16%)


Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 72.303, 109.320 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 82, 72.303, 109.320 by changing the saturation by 10% instead.


 82, 72.303,
109.320


 82, 72.303,
109.320


 100, 72.303,
109.320


 72, 72.303,
109.320

 62, 72.303,
109.320

 52, 72.303,
109.320

 42, 72.303,
109.320

 32, 72.303,
109.320

 22, 72.303,
109.320

 12, 72.303,

109.320

■ 2, 72.303, 109.320

■ 0, 72.303, 109.320

■ 82, 72.303,
109.320

■ 82, 72.303,
109.320

■ 82, 78.873,
109.072

■ 82, 64.025,
109.796

■ 81, 83.253,
109.113

■ 83, 54.558,
110.426

■ 81, 85.525,
109.426

■ 83, 44.317,
111.155

■ 84, 33.598,
111.939

■ 84, 22.594,

112.748

■ 85, 11.432,
113.558

■ 86, 0.197, 114.232

■ 86, 11.056,
295.135

■ 87, 21.713,
295.943

Harmonies

Complementary

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



82, 72.303, 109.320



38, 89.514, 303.541

Rectangle

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



82, 72.303, 109.320



82, 72.303, 159.320



82, 72.303, 289.320



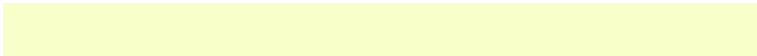
82, 72.303, 339.320

Sweetspot

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



82, 72.303, 109.322



98, 27.114, 112.664



52, 63.977, 35.318



52, 18.327, 112.438



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 72.303, 109.322



96, 92.775, 109.052



78, 80.967, 129.560



45, 6.383, 113.619



66, 72.360, 109.328



16, 25.145, 110.552

Inverse Universe

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



38, 89.514, 303.541



38, 121.705, 305.603



46, 87.181, 315.270



41, 6.523, 295.174



20, 98.508, 306.672



2, 27.695, 296.704

Previews

White Background



This preview shows how the CIELCh color 82, 72.303, 109.320 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 CIE LCh color 82, 72.303, 109.320 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 82, 72.303, 109.320

Background



This preview shows how black text looks on a background with the CIELCh color 82, 72.303, 109.320.



This preview shows how white text looks on a background with the CIELCh color 82, 72.303, 109.320.

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
82, 72.303, 109.320

Protanopia
82, 70.197, 95.348

Deuteranopia
82, 67.637, 81.030



Tritanopia
82, 9.098, 319.094

Trichromacy



Original Color
82, 72.303, 109.320

Protanomaly
82, 70.551, 100.755

Deuteranomaly
82, 67.371, 91.830

Tritanomaly
82, 23.652, 106.152

Monochromacy



Original Color
82, 72.303, 109.320

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 29.060, 112.264

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 72.303, 109.320 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(198, 214, 64)` looks like.

```
.text, #text, p{  
    color:rgb(198, 214, 64)  
}
```

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(198, 214, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 214, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 72.303, 109.320 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(198, 214, 64) }
```

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

```
.border{ border-color:rgb(198, 214, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 214, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 214, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 214, 64);  
box-shadow:4px 4px 4px 4px rgb(198, 214,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 72.303, 109.320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 214, 64) }
```

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

```
.background{ background-color: rgb(198,  
214, 64) }
```

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