

Converting Colors

CIELCh(82, 77.061, 109.919)

Have a look what the booklet for
CIELCh(82, 77.061, 109.919)
contains.

CIELCh(82, 77.023, 109.913)	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, 77.023, 109.913)

Conversions

Conversions Part 1

Format	Color
Hex	C3D733
RGB	195, 215, 51
RGB Percent	76%, 84%, 20%
CMY	0.2362, 0.1577, 0.8010
CMYK	0.09, 0.00, 0.76, 0.16
HSL	67°, 67%, 52%
HSV	67°, 76%, 84%
XYZ	47.2832, 60.2982, 12.2488
YIQ	190.3240, 40.7240, -55.2440

Conversions

Conversions Part 2

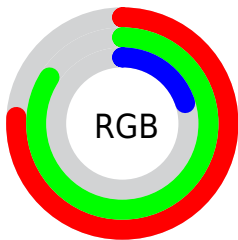
Format	Color
R_{YB}	51, 215, 71
Decimal	12834611
CIE _{Lab}	82.00, -26.23, 72.42
CIE _{LCh}	82, 77.023, 109.913
Yxy	60.2982, 0.3946, 0.5032
Android (android.graphics.Color)	4291024691 (0xFFC3D733)
YUV	190.3240, -68.6867, 4.1009
Hunter-Lab	77.6519, -27.1999, 45.0039

Details

The CIELCh color **82, 77.023, 109.913** 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 **35, 97.560, 304.726**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 69.991, 104.826**, and **62, 69.344, 111.443** is the 20% darker color. If you saturate the color by 10%, you get **82, 82.326, 109.885**, and if you desaturate by 10%, it is **82, 69.689, 110.224**.

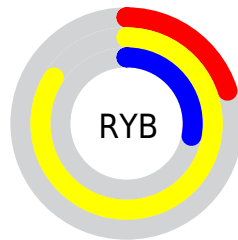
Distribution



Red (76%)

Green (84%)

Blue (20%)



Red (20%)

Yellow (84%)

Blue (28%)

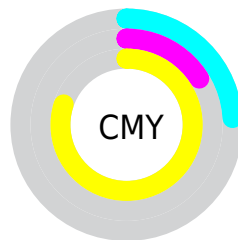


Cyan (9%)

Magenta (0%)

Yellow (76%)

Black (16%)



Cyan (24%)


Magenta (16%)


Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 77.023, 109.913 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, 77.023, 109.913 by changing the saturation by 10% instead.


 82, 77.023,
109.913


 82, 77.023,
109.913


 100, 77.023,
109.913


 72, 77.023,
109.913

 62, 77.023,
109.913

 52, 77.023,
109.913

 42, 77.023,
109.913

 32, 77.023,
109.913

 22, 77.023,
109.913

 12, 77.023,

109.913

■ 2, 77.023, 109.913

■ 0, 77.023, 109.913

■ 82, 77.023,
109.913

■ 82, 77.023,
109.913

■ 82, 82.326,
109.885

■ 82, 69.689,
110.224

■ 82, 85.293,
110.184

■ 83, 60.848,
110.738

■ 81, 86.039,
110.338

■ 83, 50.989,
111.388

■ 84, 40.481,
112.121

■ 84, 29.578,

112.897

■ 85, 18.445,
113.688

■ 85, 7.191, 114.473

■ 86, 4.113, 295.250

■ 87, 15.416,
295.988

Harmonies

Complementary

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



82, 77.023, 109.913



35, 97.560, 304.726

Rectangle

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



82, 77.023, 109.913



82, 77.023, 159.913



82, 77.023, 289.913



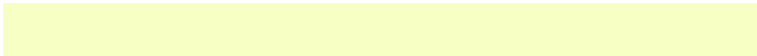
82, 77.023, 339.913

Sweetspot

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



82, 77.023, 109.915



98, 29.700, 113.146



51, 70.134, 37.471



52, 20.515, 112.858



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, 77.023, 109.915



95, 96.209, 110.043



77, 86.918, 130.065



45, 6.389, 114.236



66, 72.524, 110.225



16, 25.189, 111.397

Inverse Universe

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



35, 97.560, 304.726



35, 128.799, 306.383



44, 93.422, 315.772



41, 6.529, 295.747



20, 98.386, 306.752



2, 27.716, 297.082

Previews

White Background



This preview shows how the CIELCh color 82, 77.023, 109.913 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 82, 77.023, 109.913 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, 77.023, 109.913

Background



This preview shows how black text looks on a background with the CIELCh color 82, 77.023, 109.913.



This preview shows how white text looks on a background with the CIELCh color 82, 77.023, 109.913.

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, 77.023, 109.913

Protanopia

82, 74.443, 95.097

Deuteranopia

82, 71.101, 81.438



Tritanopia
82, 9.261, 313.600

Trichromacy



Original Color
82, 77.023, 109.913

Protanomaly
82, 74.740, 100.560

Deuteranomaly
82, 70.839, 92.438

Tritanomaly
81, 25.725, 108.753

Monochromacy



Original Color
82, 77.023, 109.913

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 31.693, 112.381

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 77.023, 109.913 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(195, 215, 51)` looks like.

```
.text, #text, p{  
    color:rgb(195, 215, 51)  
}
```

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(195, 215, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 215, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 77.023, 109.913 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(195, 215, 51) }
```

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

```
.border{ border-color:rgb(195, 215, 51) }
```

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

Here you see how a box with a 4 pixel rgb(195, 215, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 215, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 215, 51);  
box-shadow:4px 4px 4px 4px rgb(195, 215,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 77.023, 109.913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 215, 51) }
```

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

```
.background{ background-color: rgb(195,  
215, 51) }
```

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](#).

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