

Converting Colors

CIELCh(82, 82.907, 110.933)

Have a look what the booklet for
CIELCh(82, 82.907, 110.933)
contains.

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Color

CIELCh(82, 82.779, 110.831)

Conversions

Conversions Part 1

Format	Color
Hex	BED81E
RGB	190, 216, 30
RGB Percent	75%, 85%, 12%
CMY	0.2540, 0.1521, 0.8809
CMYK	0.12, 0.00, 0.86, 0.15
HSL	68°, 75%, 48%
HSV	68°, 86%, 85%
XYZ	46.1454, 60.2982, 10.4597
YIQ	187.0220, 44.2100, -63.3580

Conversions

Conversions Part 2

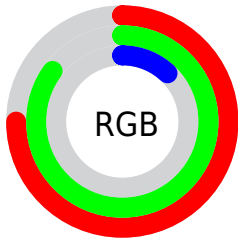
Format	Color
RYB	30, 216, 56
Decimal	12507166
CIELab	82.00, -29.44, 77.37
CIELCh	82, 82.779, 110.831
Yxy	60.2982, 0.3947, 0.5158
Android (android.graphics.Color)	4290697246 (0xFFBED81E)
YUV	187.0220, -77.4118, 2.6117
Hunter-Lab	77.6519, -29.8155, 46.3700

Details

The CIELCh color **82, 82.779, 110.831** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **31, 108.198, 306.066**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 75.253, 105.997**, and **62, 70.165, 113.499** is the 20% darker color. If you saturate the color by 10%, you get **82, 85.889, 111.189**, and if you desaturate by 10%, it is **82, 77.321, 110.824**.

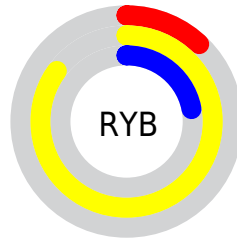
Distribution



Red (75%)

Green (85%)

Blue (12%)



Red (12%)

Yellow (85%)

Blue (22%)

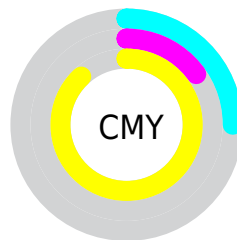


Cyan (12%)

Magenta (0%)

Yellow (86%)

Black (15%)



Cyan (25%)


Magenta (15%)


Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 82.779, 110.831 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, 82.779, 110.831 by changing the saturation by 10% instead.


 82, 82.779,
110.831


 82, 82.779,
110.831


 100, 82.779,
110.831


 72, 82.779,
110.831

 62, 82.779,
110.831

 52, 82.779,
110.831

 42, 82.779,
110.831

 32, 82.779,
110.831

 22, 82.779,
110.831

 12, 82.779,

110.831

■ 2, 82.779, 110.831

■ 0, 82.779, 110.831

■ 82, 82.779,
110.831

■ 82, 82.779,
110.831

■ 82, 85.889,
111.189

■ 82, 77.321,
110.824

■ 82, 86.738,
111.392

■ 83, 69.845,
111.104

■ 83, 60.879,
111.595

■ 84, 50.911,
112.223

■ 84, 40.306,

112.934

■ 85, 29.312,
113.688

■ 85, 18.094,
114.455

■ 86, 6.759, 115.217

■ 87, 4.622, 295.965

Harmonies

Complementary

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



82, 82.779, 110.831



31, 108.198, 306.066

Rectangle

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



82, 82.779, 110.831



82, 82.779, 160.831



82, 82.779, 290.831



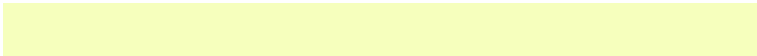
82, 82.779, 340.831

Sweetspot

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



82, 82.779, 110.833



98, 33.568, 113.665



49, 79.486, 40.011



52, 22.704, 113.399



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, 82.779, 110.833



95, 98.262, 111.468



77, 94.406, 130.819



45, 6.398, 114.955



66, 72.741, 111.262



16, 25.247, 112.376

Inverse Universe

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



31, 108.198, 306.066



33, 132.868, 306.729



42, 101.070, 316.053



41, 6.536, 296.417



21, 98.228, 306.855



2, 27.743, 297.524

Previews

White Background



This preview shows how the CIELCh color 82, 82.779, 110.831 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, 82.779, 110.831 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, 82.779, 110.831

Background



This preview shows how black text looks on a background with the CIELCh color 82, 82.779, 110.831.




This preview shows how white text looks on a background with the CIELCh color 82, 82.779, 110.831.

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





Tritanopia
82, 8.707, 302.687

Trichromacy



Original Color
82, 82.779, 110.831

Protanomaly
82, 79.764, 100.939

Deuteranomaly
81, 74.109, 93.297

Tritanomaly
81, 30.463, 112.715

Monochromacy



Original Color
82, 82.779, 110.831

Achromatopsia
76, 0.009, 296.813

Achromatomaly
78, 35.928, 113.380

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 82.779, 110.831 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(190, 216, 30)` looks like.

```
.text, #text, p{  
    color:rgb(190, 216, 30)  
}
```

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(190, 216, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 216, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 82.779, 110.831 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(190, 216, 30) }
```

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

```
.border{ border-color:rgb(190, 216, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 216, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 216, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 216, 30);  
box-shadow:4px 4px 4px 4px rgb(190, 216,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 82.779, 110.831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 216, 30) }
```

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

```
.background{ background-color: rgb(190,  
216, 30) }
```

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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