

Converting Colors

CIELCh(82, 86.716, 132.369)

Have a look what the booklet for
CIELCh(82, 86.716, 132.369)
contains.

CIELCh(82, 86.800, 132.268)	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, 86.800, 132.268)

Conversions

Conversions Part 1

Format	Color
Hex	77E547
RGB	119, 229, 71
RGB Percent	47%, 90%, 28%
CMY	0.5341, 0.1027, 0.7223
CMYK	0.48, 0.00, 0.69, 0.10
HSL	102°, 75%, 59%
HSV	102°, 69%, 90%
XYZ	36.6816, 60.2982, 15.6358
YIQ	178.0980, -14.8420, -72.4580

Conversions

Conversions Part 2

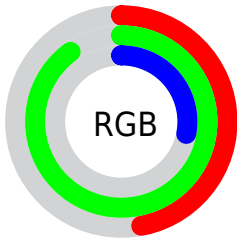
Format	Color
RYB	71, 229, 181
Decimal	7857479
CIELab	82.00, -58.38, 64.23
CIElCh	82, 86.800, 132.268
Yxy	60.2982, 0.3257, 0.5354
Android (android.graphics.Color)	4286047559 (0xFF77E547)
YUV	178.0980, -52.7993, -51.8289
Hunter-Lab	77.6519, -51.5702, 42.4179

Details

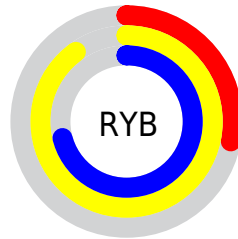
The CIELCh color **82, 86.800, 132.268** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **52, 90.748, 318.135**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 69.607, 129.914**, and **62, 85.430, 132.705** is the 20% darker color. If you saturate the color by 10%, you get **81, 95.625, 132.180**, and if you desaturate by 10%, it is **83, 76.185, 132.623**.

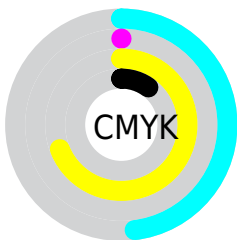
Distribution



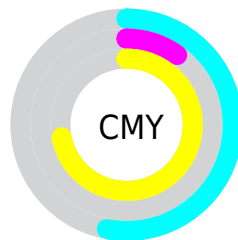
- Red (47%)
- Green (90%)
- Blue (28%)



- Red (28%)
- Yellow (90%)
- Blue (71%)



- Cyan (48%)
- Magenta (0%)
- Yellow (69%)
- Black (10%)



- Cyan (53%)
- Magenta (10%)
- Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 86.800, 132.268 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, 86.800, 132.268 by changing the saturation by 10% instead.


 82, 86.800,
132.268

 82, 86.800,
132.268


 100, 86.800,
132.268

 72, 86.800,
132.268

 62, 86.800,
132.268

 52, 86.800,
132.268

 42, 86.800,
132.268

 32, 86.800,
132.268

 22, 86.800,
132.268

 12, 86.800,

132.268

■ 2, 86.800, 132.268

■ 0, 86.800, 132.268

■ 82, 86.800,
132.268

■ 82, 86.800,
132.268

■ 81, 95.625,
132.180

■ 83, 76.185,
132.623

■ 81, 102.109,
132.486

■ 84, 64.339,
133.122

■ 80, 106.127,
133.193

■ 85, 51.709,
133.676

■ 80, 106.448,
133.257


■ 86, 38.628,
134.231


■ 88, 25.334,

134.757

 89, 11.995,
135.244

 91, 1.265, 315.498

 93, 14.361,
316.017

 94, 16.361,
324.991

Harmonies

Complementary

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



82, 86.800, 132.268



52, 90.748, 318.135

Rectangle

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



82, 86.800, 132.268



82, 86.800, 182.268



82, 86.800, 312.268



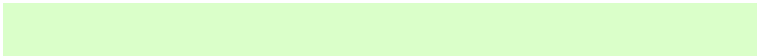
82, 86.800, 2.268

Sweetspot

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



82, 86.800, 132.269



96, 30.500, 134.651



76, 60.334, 82.990



51, 20.646, 134.507



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, 86.800, 132.269



89, 107.258, 132.261



81, 83.548, 142.810



47, 7.548, 135.225



64, 88.178, 133.050



18, 34.200, 133.265

Inverse Universe

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



52, 90.748, 318.135



52, 112.097, 317.991



57, 81.134, 334.603



45, 7.611, 315.996



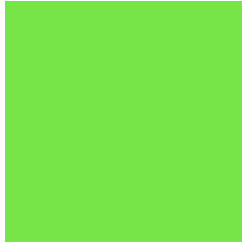
33, 91.677, 317.271



5, 36.724, 317.993

Previews

White Background



This preview shows how the CIELCh color 82, 86.800, 132.268 looks on a white background.

Color Contrast Check

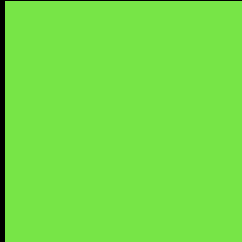
Large Text (above 18pt) WCAG AA × Fail

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, 86.800, 132.268 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, 86.800, 132.268

Background



This preview shows how black text looks on a background with the CIELCh color 82, 86.800, 132.268.

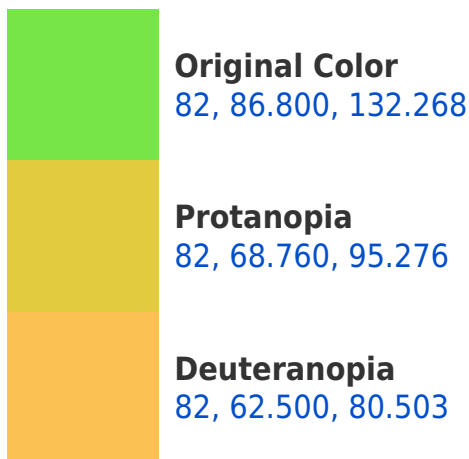


This preview shows how white text looks on a background with the CIELCh color 82, 86.800, 132.268.

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, 22.638, 221.732

Trichromacy



Original Color
82, 86.800, 132.268



Protanomaly
81, 71.297, 112.188



Deuteranomaly
80, 63.149, 105.288

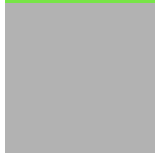


Tritanomaly
81, 37.976, 156.985

Monochromacy



Original Color
82, 86.800, 132.268



Achromatopsia
73, 0.009, 296.813



Achromatomaly
75, 34.158, 134.412

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 86.800, 132.268 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(119, 229, 71)` looks like.

```
.text, #text, p{  
    color:rgb(119, 229, 71)  
}
```

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(119, 229, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 229, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 86.800, 132.268 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(119, 229, 71) }
```

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

```
.border{ border-color:rgb(119, 229, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 229, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 229, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 229, 71);  
box-shadow:4px 4px 4px 4px rgb(119, 229,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 86.800, 132.268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 229, 71) }
```

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

```
.background{ background-color: rgb(119,  
229, 71) }
```

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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