

Converting Colors

CIELCh(82, 89.622, 127.497)

Have a look what the booklet for
CIELCh(82, 89.622, 127.497)
contains.

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Color

CIELCh(82, 89.550, 127.570)

Conversions

Conversions Part 1

Format	Color
Hex	85E333
RGB	133, 227, 51
RGB Percent	52%, 89%, 20%
CMY	0.4776, 0.1090, 0.7990
CMYK	0.41, 0.00, 0.77, 0.11
HSL	92°, 76%, 55%
HSV	92°, 77%, 89%
XYZ	37.8362, 60.2982, 12.8050
YIQ	178.8300, 0.4720, -74.6640

Conversions

Conversions Part 2

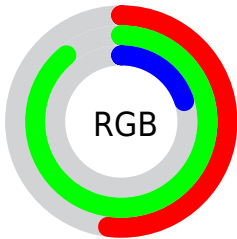
Format	Color
RYB	51, 227, 145
Decimal	8774451
CIELab	82.00, -54.60, 70.98
CIELCh	82, 89.550, 127.570
Yxy	60.2982, 0.3411, 0.5435
Android (android.graphics.Color)	4286964531 (0xFF85E333)
YUV	178.8300, -63.0202, -40.1929
Hunter-Lab	77.6519, -48.9160, 44.5792

Details

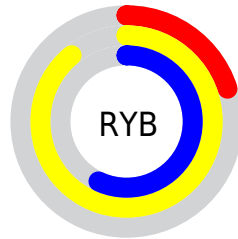
The CIELCh color **82, 89.550, 127.570** is a dark color, and the websafe version is hex **66CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **44, 99.353, 313.469**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 74.212, 124.227**, and **62, 82.782, 130.326** is the 20% darker color. If you saturate the color by 10%, you get **81, 96.168, 128.078**, and if you desaturate by 10%, it is **83, 80.817, 127.483**.

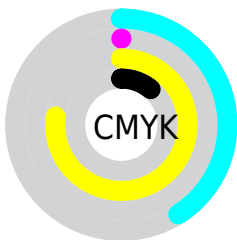
Distribution



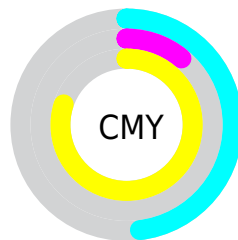
- Red (52%)
- Green (89%)
- Blue (20%)



- Red (20%)
- Yellow (89%)
- Blue (57%)



- Cyan (41%)
- Magenta (0%)
- Yellow (77%)
- Black (11%)





- Cyan (48%)
- Magenta (11%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 89.550, 127.570 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, 89.550, 127.570 by changing the saturation by 10% instead.


 82, 89.550,
127.570


 82, 89.550,
127.570


 100, 89.550,
127.570


 72, 89.550,
127.570

 62, 89.550,
127.570

 52, 89.550,
127.570

 42, 89.550,
127.570

 32, 89.550,
127.570

 22, 89.550,
127.570

 12, 89.550,

127.570

■ 2, 89.550, 127.570

■ 0, 89.550, 127.570

■ 82, 89.550,
127.570

■ 82, 89.550,
127.570

■ 81, 96.168,
128.078

■ 83, 80.817,
127.483

■ 81, 100.414,
129.071

■ 84, 70.507,
127.684

■ 81, 101.296,
129.345

■ 84, 59.135,
128.055

■ 85, 47.096,
128.512


■ 87, 34.672,

128.999

 88, 22.060,
129.483

 89, 9.394, 129.950

 91, 3.231, 310.316

 92, 15.384,
311.213

Harmonies

Complementary

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



82, 89.550, 127.570



44, 99.353, 313.469

Rectangle

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



82, 89.550, 127.570



82, 89.550, 177.570



82, 89.550, 307.570



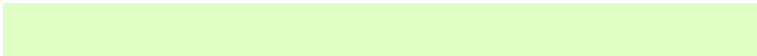
82, 89.550, 357.570

Sweetspot

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



82, 89.550, 127.571



97, 31.935, 129.209



67, 64.076, 68.271



51, 22.089, 129.031



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, 89.550, 127.571



90, 108.064, 128.638



80, 98.596, 137.928



48, 7.232, 129.857



65, 84.350, 129.090



18, 32.632, 128.729

Inverse Universe

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



44, 99.353, 313.469



44, 121.167, 312.984



56, 95.520, 329.113



45, 7.325, 310.655



29, 94.756, 312.732



4, 35.835, 312.254

Previews

White Background



This preview shows how the CIELCh color 82, 89.550, 127.570 looks on a white background.

Color Contrast Check

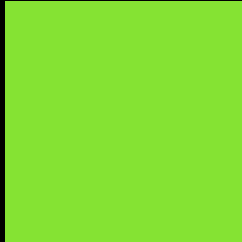
Large Text (above 18pt) WCAG AA × Fail

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, 89.550, 127.570 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, 89.550, 127.570

Background



This preview shows how black text looks on a background with the CIELCh color 82, 89.550, 127.570.

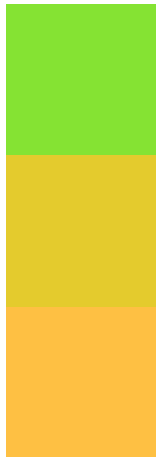


This preview shows how white text looks on a background with the CIELCh color 82, 89.550, 127.570.

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, 89.550, 127.570

Protanopia

82, 74.953, 95.073

Deuteranopia

81, 68.970, 80.916



Tritanopia
82, 19.091, 226.722

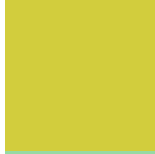
Trichromacy



Original Color
82, 89.550, 127.570



Protanomaly
81, 77.027, 109.227



Deuteranomaly
81, 69.690, 102.140

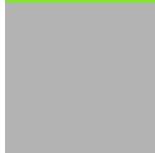


Tritanomaly
81, 37.923, 148.327

Monochromacy



Original Color
82, 89.550, 127.570



Achromatopsia
73, 0.009, 296.813



Achromatomaly
76, 36.618, 129.205

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 89.550, 127.570 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(133, 227, 51)` looks like.

```
.text, #text, p{  
    color:rgb(133, 227, 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(133, 227, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 227, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 89.550, 127.570 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(133, 227, 51) }
```

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

```
.border{ border-color:rgb(133, 227, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 227, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 227, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 227, 51);  
box-shadow:4px 4px 4px 4px rgb(133, 227,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 89.550, 127.570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 227, 51) }
```

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

```
.background{ background-color: rgb(133,  
227, 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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