

Converting Colors

CIELCh(82, 100.705, 127.651)

Have a look what the booklet for
CIELCh(82, 100.705, 127.651)
contains.

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Color

CIELCh(82, 100.556, 127.689)

Conversions

Conversions Part 1

Format	Color
Hex	77E600
RGB	119, 230, 0
RGB Percent	47%, 90%, 0%
CMY	0.5348, 0.0994, 1.0000
CMYK	0.48, 0.00, 1.00, 0.10
HSL	89°, 100%, 45%
HSV	89°, 100%, 90%
XYZ	35.7536, 60.2982, 9.7221
YIQ	170.5910, 7.6740, -95.0620

Conversions

Conversions Part 2

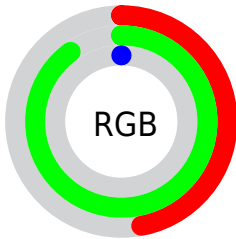
Format	Color
RYB	0, 230, 111
Decimal	7857664
CIELab	82.00, -61.48, 79.57
CIELCh	82, 100.556, 127.689
Yxy	60.2982, 0.3380, 0.5701
Android (android.graphics.Color)	4286047744 (0xFF77E600)
YUV	170.5910, -84.1014, -45.2453
Hunter-Lab	77.6519, -53.7032, 46.9332

Details

The CIELCh color **82, 100.556, 127.689** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **36, 115.881, 311.370**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 84.493, 124.482**, and **62, 86.299, 133.184** is the 20% darker color. If you saturate the color by 10%, you get **82, 100.472, 127.716**, and if you desaturate by 10%, it is **82, 96.756, 126.608**.

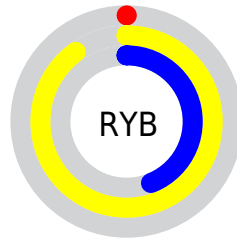
Distribution



Red (47%)

Green (90%)

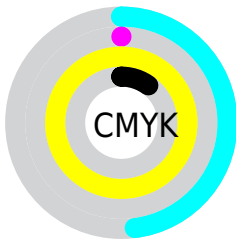
Blue (0%)



Red (0%)

Yellow (90%)

Blue (44%)

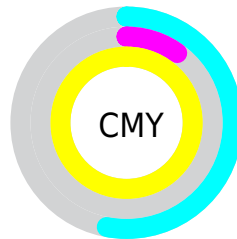


Cyan (48%)

Magenta (0%)

Yellow (100%)

Black (10%)



Cyan (53%)


Magenta (10%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 100.556, 127.689 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, 100.556, 127.689 by changing the saturation by 10% instead.


 82, 100.556,
127.689


 82, 100.556,
127.689


 100, 100.556,
127.689


 72, 100.556,
127.689


 62, 100.556,
127.689

 52, 100.556,
127.689

 42, 100.556,
127.689

 32, 100.556,
127.689

 22, 100.556,
127.689

 12, 100.556,

127.689

■ 2, 100.556,
127.689

■ 0, 100.556,
127.689

■ 82, 100.556,
127.689

■ 82, 100.556,
127.689

■ 82, 100.472,
127.716

■ 82, 96.756,
126.608

■ 83, 90.852,
125.938

■ 84, 82.715,
125.723

■ 84, 72.850,
125.837

■ 85, 61.795,
126.157

■ 86, 49.979,
126.590

■ 87, 37.710,
127.073

■ 89, 25.199,
127.565

■ 90, 12.592,
128.048

Harmonies

Complementary

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



82, 100.556, 127.689



36, 115.881, 311.370

Rectangle

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



82, 100.556, 127.689



82, 100.556, 177.689



82, 100.556, 307.689



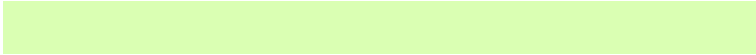
82, 100.556, 357.689

Sweetspot

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



82, 100.472, 127.716



96, 41.047, 127.064



60, 79.576, 58.667



51, 27.947, 126.857



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, 100.472, 127.716



90, 108.845, 127.812



80, 110.586, 135.963



48, 7.147, 128.074



65, 82.993, 127.445



18, 32.131, 126.983

Inverse Universe

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



36, 115.881, 311.370



40, 125.504, 311.305



54, 106.852, 327.565



45, 7.249, 308.910



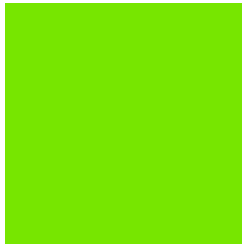
27, 95.795, 311.555



4, 35.524, 310.447

Previews

White Background



This preview shows how the CIELCh color 82, 100.556, 127.689 looks on a white background.

Color Contrast Check

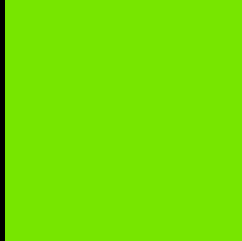
Large Text (above 18pt) WCAG AA × Fail

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, 100.556, 127.689 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, 100.556, 127.689

Background



This preview shows how black text looks on a background with the CIELCh color 82, 100.556, 127.689.

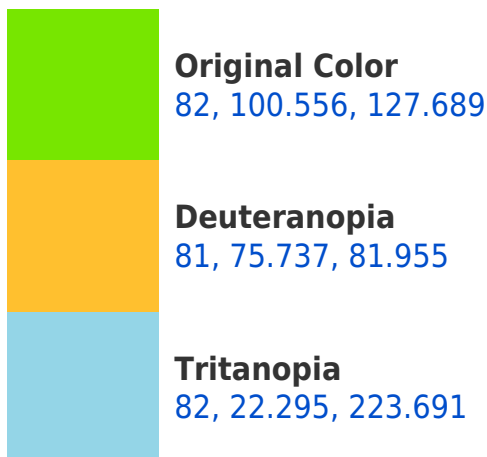


This preview shows how white text looks on a background with the CIELCh color 82, 100.556, 127.689.

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



Trichromacy



Original Color
82, 100.556, 127.689



Deuteranomaly
80, 78.670, 103.491

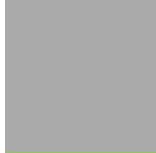


Tritanomaly
81, 48.398, 145.030

Monochromacy



Original Color
82, 100.556, 127.689



Achromatopsia
70, 0.009, 296.813



Achromatomaly
73, 47.179, 126.609

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 100.556, 127.689 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, 230, 0)` looks like.

```
.text, #text, p{  
    color:rgb(119, 230, 0)  
}
```

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, 230, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 230, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 100.556, 127.689 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, 230, 0) }
```

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

```
.border{ border-color:rgb(119, 230, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 230, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 230, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 230, 0);  
box-shadow:4px 4px 4px 4px rgb(119, 230,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 100.556, 127.689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 230, 0) }
```

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

```
.background{ background-color: rgb(119,  
230, 0) }
```

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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