

Converting Colors

CIELCh(82, 107.878, 133.277)

Have a look what the booklet for
CIELCh(82, 107.878, 133.277)
contains.

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Color

CIELCh(82, 107.898, 133.301)

Conversions

Conversions Part 1

Format	Color
Hex	48EA04
RGB	72, 234, 4
RGB Percent	28%, 92%, 2%
CMY	0.7171, 0.0819, 0.9828
CMYK	0.69, 0.00, 0.98, 0.08
HSL	102°, 96%, 47%
HSV	102°, 98%, 92%
XYZ	32.1599, 60.2982, 10.0687
YIQ	159.3420, -22.7220, -105.8740

Conversions

Conversions Part 2

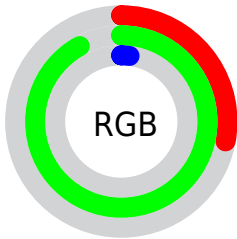
Format	Color
RYB	4, 234, 166
Decimal	4778500
CIELab	82.00, -74.00, 78.52
CIELCh	82, 107.898, 133.301
Yxy	60.2982, 0.3137, 0.5881
Android (android.graphics.Color)	4282968580 (0xFF48EA04)
YUV	159.3420, -76.5836, -76.5989
Hunter-Lab	77.6519, -61.9641, 46.6685

Details

The CIELCh color **82, 107.898, 133.301** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **44, 111.671, 317.503**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 89.889, 131.954**, and **63, 91.079, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **82, 108.530, 133.429**, and if you desaturate by 10%, it is **82, 103.676, 132.630**.

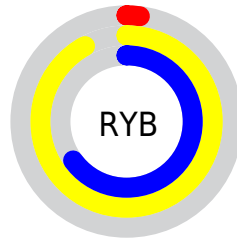
Distribution



Red (28%)

Green (92%)

Blue (2%)



Red (2%)

Yellow (92%)

Blue (65%)

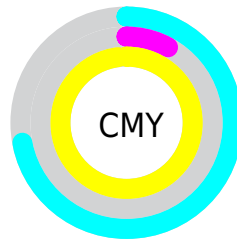


Cyan (69%)

Magenta (0%)

Yellow (98%)

Black (8%)



Cyan (72%)


Magenta (8%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 107.898, 133.301 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, 107.898, 133.301 by changing the saturation by 10% instead.


 82, 107.898,
133.301


 82, 107.898,
133.301


 100, 107.898,
133.301


 72, 107.898,
133.301


 62, 107.898,
133.301

 52, 107.898,
133.301

 42, 107.898,
133.301

 32, 107.898,
133.301

 22, 107.898,
133.301

 12, 107.898,

133.301

■ 2, 107.898,
133.301

■ 0, 107.898,
133.301

■ 82, 107.898,
133.301

■ 82, 107.898,
133.301

■ 82, 108.530,
133.429

■ 82, 103.676,
132.630

■ 83, 96.862,
132.382

■ 84, 87.687,
132.516

■ 85, 76.728,
132.902

■ 86, 64.547,
133.421

■ 87, 51.597,
133.987

■ 88, 38.207,
134.547

■ 90, 24.617,
135.075

■ 91, 10.996,
135.562

Harmonies

Complementary

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



82, 107.898, 133.301



44, 111.671, 317.503

Rectangle

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



82, 107.898, 133.301



82, 107.898, 183.301



82, 107.898, 313.301



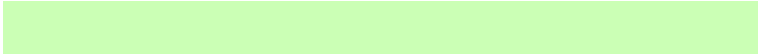
82, 107.898, 3.301

Sweetspot

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



82, 107.897, 133.302



95, 42.213, 134.492



73, 77.168, 78.790



50, 28.930, 134.253



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, 107.897, 133.302



88, 115.862, 133.486



81, 105.339, 138.572



48, 7.705, 135.499



65, 89.301, 133.223



19, 35.770, 133.096

Inverse Universe

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



44, 111.671, 317.503



48, 119.766, 317.338



53, 92.475, 338.131



46, 7.767, 316.275



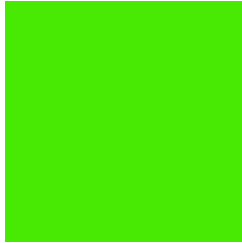
34, 92.504, 317.537



6, 38.506, 318.520

Previews

White Background



This preview shows how the CIELCh color 82, 107.898, 133.301 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, 107.898, 133.301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

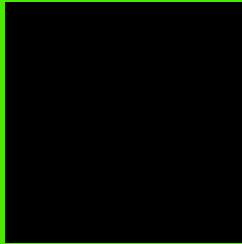
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 107.898, 133.301

Background



This preview shows how black text looks on a background with the CIELCh color 82, 107.898, 133.301.

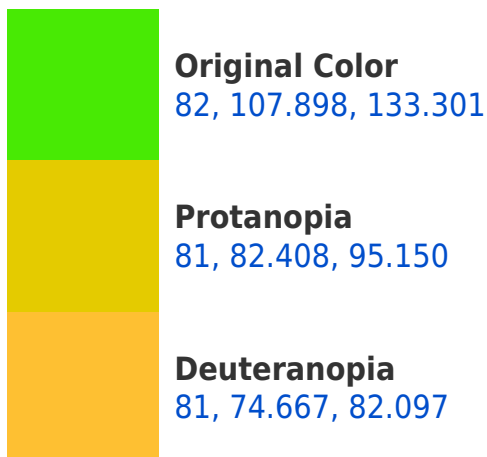


This preview shows how white text looks on a background with the CIELCh color 82, 107.898, 133.301.

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](#).

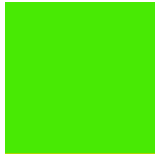
Dichromacy





Tritanopia
82, 30.293, 215.021

Trichromacy



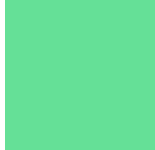
Original Color
82, 107.898, 133.301



Protanomaly
80, 87.014, 114.901

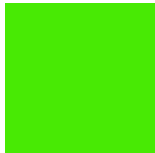


Deuteranomaly
79, 78.872, 109.180

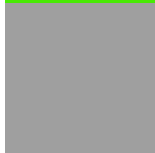


Tritanomaly
81, 56.754, 153.187

Monochromacy



Original Color
82, 107.898, 133.301



Achromatopsia
65, 0.008, 296.813



Achromatomaly
70, 49.954, 133.823

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 107.898, 133.301 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(72, 234, 4)` looks like.

```
.text, #text, p{  
    color:rgb(72, 234, 4)  
}
```

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(72, 234, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 234, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 107.898, 133.301 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(72, 234, 4) }
```

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

```
.border{ border-color:rgb(72, 234, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 234, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 234, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 234, 4);  
box-shadow:4px 4px 4px 4px rgb(72, 234, 4)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 82, 107.898, 133.301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 234, 4) }
```

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

```
.background{ background-color: rgb(72, 234,  
4) }
```

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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