

Converting Colors

CIELCh(83, 103.775, 129.350)

Have a look what the booklet for
CIELCh(83, 103.775, 129.350)
contains.

CIELCh(83, 103.598, 129.372)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(83, 103.598, 129.372)

Conversions

Conversions Part 1

Format	Color
Hex	6DEA00
RGB	109, 234, 0
RGB Percent	43%, 92%, 0%
CMY	0.5721, 0.0819, 0.9985
CMYK	0.53, 0.00, 1.00, 0.08
HSL	92°, 100%, 46%
HSV	92°, 100%, 92%
XYZ	35.7745, 62.1629, 10.1230
YIQ	169.9490, 0.6140, -99.2740

Conversions

Conversions Part 2

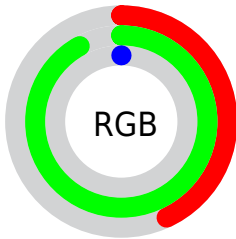
Format	Color
RYB	0, 234, 125
Decimal	7203328
CIELab	83.00, -65.72, 80.09
CIELCh	83, 103.598, 129.372
Yxy	62.1629, 0.3311, 0.5753
Android (android.graphics.Color)	4285393408 (0xFF6DEA00)
YUV	169.9490, -83.7849, -53.4523
Hunter-Lab	78.8435, -56.9834, 47.5780

Details

The CIELCh color **83, 103.598, 129.372** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **38, 116.206, 312.558**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 85.285, 126.328**, and **63, 89.717, 134.903** is the 20% darker color. If you saturate the color by 10%, you get **83, 103.653, 129.390**, and if you desaturate by 10%, it is **83, 99.710, 128.305**.

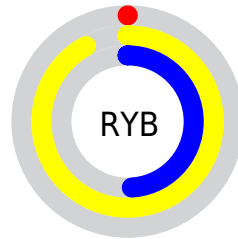
Distribution



Red (43%)

Green (92%)

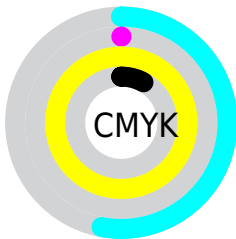
Blue (0%)



Red (0%)

Yellow (92%)

Blue (49%)

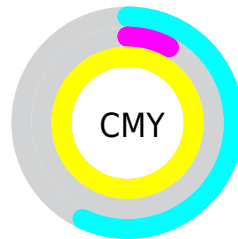


Cyan (53%)

Magenta (0%)

Yellow (100%)

Black (8%)



Cyan (57%)


Magenta (8%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 103.598, 129.372 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 83, 103.598, 129.372 by changing the saturation by 10% instead.


 83, 103.598,
129.372


 83, 103.598,
129.372


 100, 103.598,
129.372


 73, 103.598,
129.372


 63, 103.598,
129.372

 53, 103.598,
129.372

 43, 103.598,
129.372

 33, 103.598,
129.372

 23, 103.598,
129.372

 13, 103.598,

129.372

■ 3, 103.598,
129.372

■ 0, 103.598,
129.372

■ 83, 103.598,
129.372

■ 83, 103.598,
129.372

■ 83, 103.653,
129.390

■ 83, 99.710,
128.305

■ 84, 93.545,
127.674

■ 85, 85.095,
127.491

■ 86, 74.882,
127.632

■ 86, 63.456,
127.972

■ 88, 51.258,
128.415

■ 89, 38.603,
128.899

■ 90, 25.711,
129.386

■ 91, 12.735,
129.858

Harmonies

Complementary

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



83, 103.598, 129.372



38, 116.206, 312.558

Rectangle

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



83, 103.598, 129.372



83, 103.598, 179.372



83, 103.598, 309.372



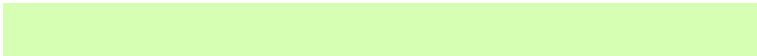
83, 103.598, 359.372

Sweetspot

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



83, 103.598, 129.373



96, 41.592, 128.884



63, 79.033, 62.845



50, 28.324, 128.677



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



83, 103.598, 129.373



90, 110.665, 129.465



81, 111.695, 136.222



49, 7.365, 129.875



66, 85.272, 129.124



19, 34.087, 128.425

Inverse Universe

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



38, 116.206, 312.558



42, 124.099, 312.494



55, 105.472, 329.621



46, 7.459, 310.676



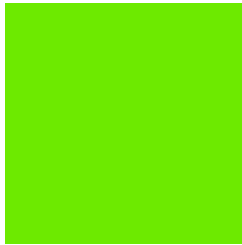
29, 95.757, 312.734



5, 37.851, 312.784

Previews

White Background



This preview shows how the CIELCh color 83, 103.598, 129.372 looks on a white background.

Color Contrast Check

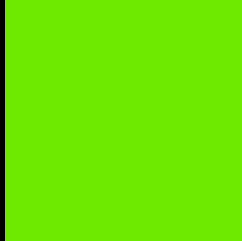
Large Text (above 18pt) WCAG AA × Fail

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 83, 103.598, 129.372 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 83, 103.598, 129.372

Background



This preview shows how black text looks on a background with the CIELCh color 83, 103.598, 129.372.

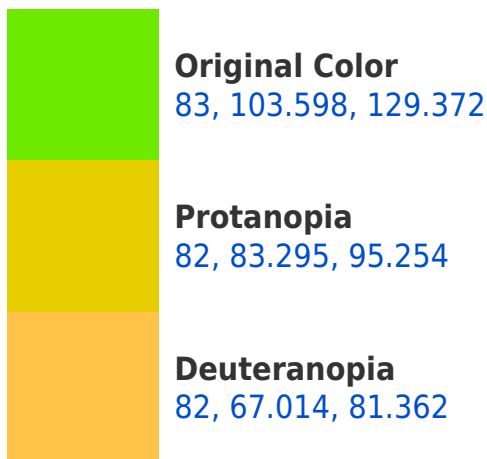


This preview shows how white text looks on a background with the CIELCh color 83, 103.598, 129.372.

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](#).

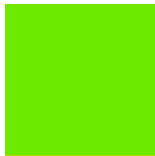
Dichromacy





Tritanopia
83, 24.841, 219.334

Trichromacy



Original Color
83, 103.598, 129.372



Protanomaly
82, 86.583, 111.063



Deuteranomaly
81, 75.615, 105.798

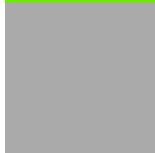


Tritanomaly
82, 51.516, 147.418

Monochromacy



Original Color
83, 103.598, 129.372



Achromatopsia
70, 0.009, 296.813



Achromatomaly
73, 48.213, 128.058

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 103.598, 129.372 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(109, 234, 0)` looks like.

```
.text, #text, p{  
    color:rgb(109, 234, 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(109, 234, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 234, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 103.598, 129.372 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(109, 234, 0) }
```

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

```
.border{ border-color:rgb(109, 234, 0) }
```

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

Here you see how a box with a 4 pixel rgb(109, 234, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 234, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 234, 0);  
box-shadow:4px 4px 4px 4px rgb(109, 234,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 103.598, 129.372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 234, 0) }
```

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

```
.background{ background-color: rgb(109,  
234, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor