

Converting Colors

CIELCh(83, 96.700, 130.173)

Have a look what the booklet for
CIELCh(83, 96.700, 130.173)
contains.

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Color

CIELCh(83, 96.700, 130.173)

Conversions

Conversions Part 1

Format	Color
Hex	74E92B
RGB	116, 233, 43
RGB Percent	45%, 91%, 17%
CMY	0.5451, 0.0863, 0.8313
CMYK	0.50, 0.00, 0.82, 0.09
HSL	97°, 81%, 54%
HSV	97°, 82%, 91%
XYZ	36.7757, 62.1629, 12.3456
YIQ	176.3570, -8.7420, -83.8940

Conversions

Conversions Part 2

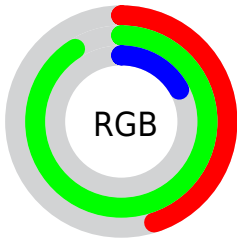
Format	Color
R_{YB}	43, 233, 160
Decimal	7661867
CIE Lab	83.00, -62.38, 73.89
CIE LCh	83, 96.700, 130.173
Yxy	62.1629, 0.3305, 0.5586
Android (android.graphics.Color)	4285851947 (0xFF74E92B)
YUV	176.3570, -65.7450, -52.9331
Hunter-Lab	78.8435, -54.7168, 45.9066

Details

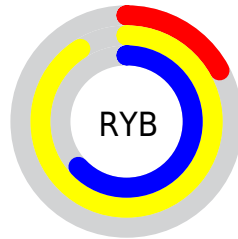
The CIELCh color **83, 96.700, 130.173** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **46, 104.189, 315.672**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 78.304, 127.277**, and **63, 87.940, 133.676** is the 20% darker color. If you saturate the color by 10%, you get **82, 102.576, 130.773**, and if you desaturate by 10%, it is **84, 88.426, 130.022**.

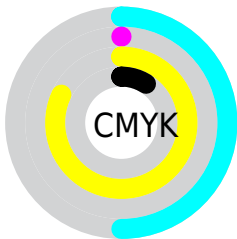
Distribution



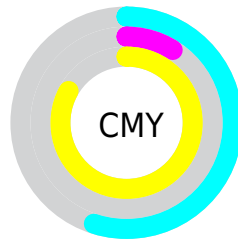
- Red (45%)
- Green (91%)
- Blue (17%)



- Red (17%)
- Yellow (91%)
- Blue (63%)



- Cyan (50%)
- Magenta (0%)
- Yellow (82%)
- Black (9%)





- Cyan (55%)
- Magenta (9%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 96.700, 130.173 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, 96.700, 130.173 by changing the saturation by 10% instead.


 83, 96.700,
130.173


 83, 96.700,
130.173


 100, 96.700,
130.173


 73, 96.700,
130.173

 63, 96.700,
130.173

 53, 96.700,
130.173

 43, 96.700,
130.173

 33, 96.700,
130.173

 23, 96.700,
130.173

 13, 96.700,

130.173

■ 3, 96.700, 130.173

■ 0, 96.700, 130.173

■ 83, 96.700,
130.173

■ 83, 96.700,
130.173

■ 82, 102.576,
130.773

■ 84, 88.426,
130.022

■ 82, 105.782,
131.580

■ 84, 78.256,
130.197


■ 85, 66.759,
130.571


■ 86, 54.406,
131.044


■ 88, 41.544,

131.551

 89, 28.418,
132.052

 91, 15.201,
132.527

 92, 2.015, 133.034

 94, 11.055,
313.320

Harmonies

Complementary

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



83, 96.700, 130.173



46, 104.189, 315.672

Rectangle

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



83, 96.700, 130.173



83, 96.700, 180.173



83, 96.700, 310.173



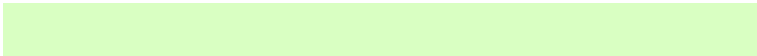
83, 96.700, 0.173

Sweetspot

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



83, 96.700, 130.174



96, 34.061, 131.925



71, 68.777, 73.484



51, 23.388, 131.745



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, 96.700, 130.174



89, 112.636, 131.456



81, 100.360, 138.788



48, 7.518, 132.623



65, 87.335, 131.340



19, 34.910, 130.864

Inverse Universe

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



46, 104.189, 315.672



45, 121.232, 314.784



56, 95.231, 331.840



46, 7.597, 313.393



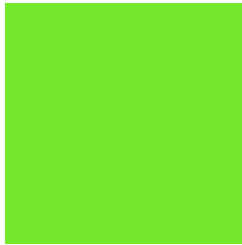
31, 94.130, 314.864



5, 38.215, 315.525

Previews

White Background



This preview shows how the CIELCh color 83, 96.700, 130.173 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 83, 96.700, 130.173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

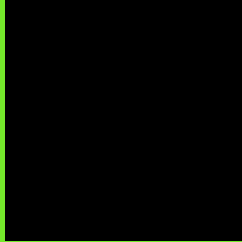
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 96.700, 130.173

Background



This preview shows how black text looks on a background with the CIELCh color 83, 96.700, 130.173.

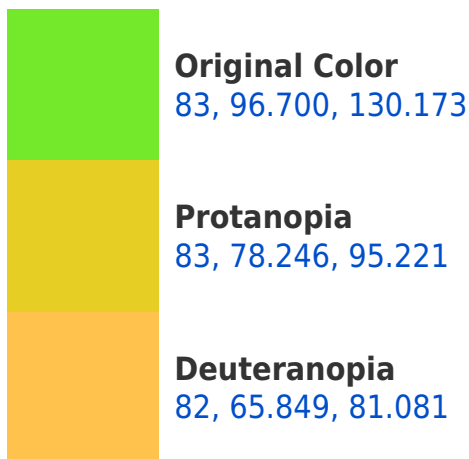


This preview shows how white text looks on a background with the CIELCh color 83, 96.700, 130.173.

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



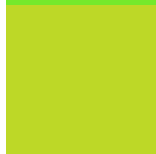


Tritanopia
83, 23.372, 220.851

Trichromacy



Original Color
83, 96.700, 130.173



Protanomaly
82, 80.945, 111.445



Deuteranomaly
81, 69.760, 105.766



Tritanomaly
82, 43.625, 152.193

Monochromacy



Original Color
83, 96.700, 130.173



Achromatopsia
72, 0.009, 296.813



Achromatomaly
75, 40.286, 131.630

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 96.700, 130.173 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(116, 233, 43)` looks like.

```
.text, #text, p{  
    color:rgb(116, 233, 43)  
}
```

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(116, 233, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 233, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 96.700, 130.173 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(116, 233, 43) }
```

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

```
.border{ border-color:rgb(116, 233, 43) }
```

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

Here you see how a box with a 4 pixel rgb(116, 233, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 233, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 233, 43);  
box-shadow:4px 4px 4px 4px rgb(116, 233,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 96.700, 130.173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 233, 43) }
```

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

```
.background{ background-color: rgb(116,  
233, 43) }
```

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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