

Converting Colors

CIELCh(83, 97.779, 129.983)

Have a look what the booklet for
CIELCh(83, 97.779, 129.983)
contains.

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Color

CIELCh(83, 97.677, 130.033)

Conversions

Conversions Part 1

Format	Color
Hex	73E927
RGB	115, 233, 39
RGB Percent	45%, 91%, 15%
CMY	0.5484, 0.0857, 0.8462
CMYK	0.51, 0.00, 0.83, 0.09
HSL	97°, 82%, 53%
HSV	97°, 83%, 91%
XYZ	36.6402, 62.1629, 12.0043
YIQ	175.6020, -8.0540, -85.3500

Conversions

Conversions Part 2

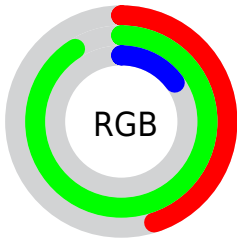
Format	Color
RYB	39, 233, 157
Decimal	7596327
CIELab	83.00, -62.83, 74.79
CIElCh	83, 97.677, 130.033
Yxy	62.1629, 0.3307, 0.5610
Android (android.graphics.Color)	4285786407 (0xFF73E927)
YUV	175.6020, -67.3448, -53.1480
Hunter-Lab	78.8435, -55.0233, 46.1632

Details

The CIELCh color **83, 97.677, 130.033** 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 **45, 105.605, 315.420**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 79.597, 127.117**, and **63, 88.139, 133.856** is the 20% darker color. If you saturate the color by 10%, you get **82, 103.128, 130.727**, and if you desaturate by 10%, it is **84, 89.779, 129.804**.

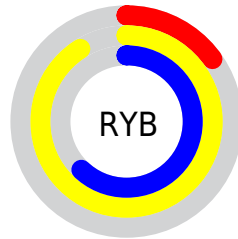
Distribution



Red (45%)

Green (91%)

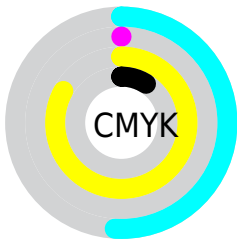
Blue (15%)



Red (15%)

Yellow (91%)

Blue (62%)

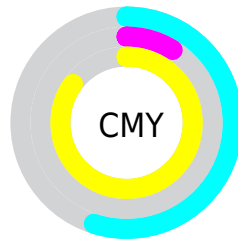


Cyan (51%)

Magenta (0%)

Yellow (83%)

Black (9%)



Cyan (55%)


Magenta (9%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 97.677, 130.033 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, 97.677, 130.033 by changing the saturation by 10% instead.


 83, 97.677,
130.033


 83, 97.677,
130.033


 100, 97.677,
130.033


 73, 97.677,
130.033

 63, 97.677,
130.033

 53, 97.677,
130.033

 43, 97.677,
130.033

 33, 97.677,
130.033

 23, 97.677,
130.033

 13, 97.677,

130.033

■ 3, 97.677, 130.033

■ 0, 97.677, 130.033

■ 83, 97.677,
130.033

■ 83, 97.677,
130.033

■ 82, 103.128,
130.727

■ 84, 89.779,
129.804

■ 82, 105.616,
131.400

■ 84, 79.895,
129.925

■ 85, 68.599,
130.267

■ 86, 56.382,
130.723

■ 88, 43.607,

131.224

■ 89, 30.534,
131.725

■ 90, 17.344,
132.204

■ 92, 4.165, 132.674

■ 94, 8.911, 313.009

Harmonies

Complementary

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



83, 97.677, 130.033



45, 105.605, 315.420

Rectangle

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



83, 97.677, 130.033



83, 97.677, 180.033



83, 97.677, 310.033



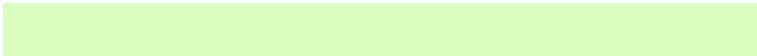
83, 97.677, 0.033

Sweetspot

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



83, 97.677, 130.034



96, 35.403, 131.629



70, 69.898, 73.147



51, 24.139, 131.453



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, 97.677, 130.034



89, 113.115, 131.473



81, 101.586, 138.573



48, 7.503, 132.376



65, 87.155, 131.157



19, 34.836, 130.657

Inverse Universe

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



45, 105.605, 315.420



45, 122.130, 314.426



56, 96.028, 331.920



46, 7.584, 313.147



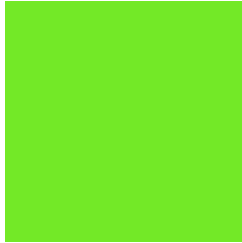
31, 94.275, 314.656



5, 38.184, 315.274

Previews

White Background



This preview shows how the CIELCh color 83, 97.677, 130.033 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, 97.677, 130.033 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

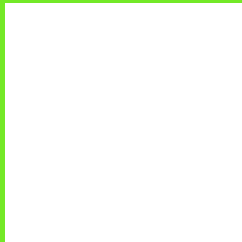
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 97.677, 130.033

Background



This preview shows how black text looks on a background with the CIELCh color 83, 97.677, 130.033.

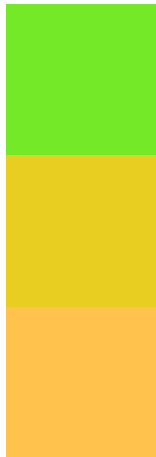


This preview shows how white text looks on a background with the CIELCh color 83, 97.677, 130.033.

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
83, 97.677, 130.033

Protanopia
83, 79.119, 95.230

Deuteranopia
82, 65.849, 81.081



Tritanopia
83, 23.620, 220.585

Trichromacy



Original Color
83, 97.677, 130.033



Protanomaly
82, 81.840, 111.289



Deuteranomaly
81, 70.472, 105.688

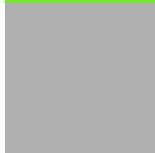


Tritanomaly
82, 44.636, 151.539

Monochromacy



Original Color
83, 97.677, 130.033



Achromatopsia
72, 0.009, 296.813



Achromatomaly
75, 41.224, 131.007

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 97.677, 130.033 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(115, 233, 39)` looks like.

```
.text, #text, p{  
    color:rgb(115, 233, 39)  
}
```

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(115, 233, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 233, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 97.677, 130.033 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(115, 233, 39) }
```

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

```
.border{ border-color:rgb(115, 233, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 233, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 233, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 233, 39);  
box-shadow:4px 4px 4px 4px rgb(115, 233,  
39) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 97.677, 130.033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 233, 39) }
```

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

```
.background{ background-color: rgb(115,  
233, 39) }
```

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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