

Converting Colors

CIELCh(83, 97.447, 124.321)

Have a look what the booklet for
CIELCh(83, 97.447, 124.321)
contains.

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Color

CIELCh(83, 97.369, 124.259)

Conversions

Conversions Part 1

Format	Color
Hex	8CE602
RGB	140, 230, 2
RGB Percent	55%, 90%, 1%
CMY	0.4510, 0.0981, 0.9922
CMYK	0.39, 0.00, 0.99, 0.10
HSL	84°, 98%, 45%
HSV	84°, 99%, 90%
XYZ	39.1154, 62.1629, 9.9929
YIQ	177.0980, 19.5480, -89.9880

Conversions

Conversions Part 2

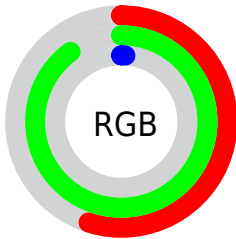
Format	Color
R_{YB}	2, 230, 92
Decimal	9233922
CIE _{Lab}	83.00, -54.81, 80.48
CIE _{LCh}	83, 97.369, 124.259
Yxy	62.1629, 0.3515, 0.5587
Android (android.graphics.Color)	4287424002 (0xFF8CE602)
YUV	177.0980, -86.3233, -32.5349
Hunter-Lab	78.8435, -49.4196, 47.6758

Details

The CIELCh color **83, 97.369, 124.259** 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 **34, 117.781, 309.660**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 81.594, 119.803**, and **63, 83.045, 129.413** is the 20% darker color. If you saturate the color by 10%, you get **83, 97.633, 124.358**, and if you desaturate by 10%, it is **83, 93.832, 123.175**.

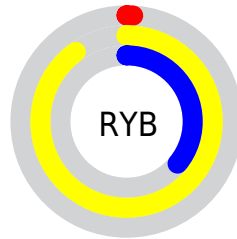
Distribution



Red (55%)

Green (90%)

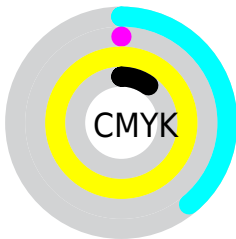
Blue (1%)



Red (1%)

Yellow (90%)

Blue (36%)

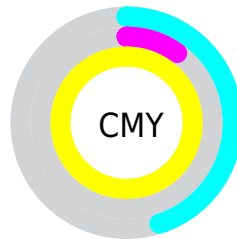


Cyan (39%)

Magenta (0%)

Yellow (99%)

Black (10%)



Cyan (45%)


Magenta (10%)

Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 97.369, 124.259 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, 97.369, 124.259 by changing the saturation by 10% instead.


 83, 97.369,
124.259

 83, 97.369,
124.259


 100, 97.369,
124.259


 73, 97.369,
124.259

 63, 97.369,
124.259

 53, 97.369,
124.259

 43, 97.369,
124.259

 33, 97.369,
124.259

 23, 97.369,
124.259

 13, 97.369,

124.259

■ 3, 97.369, 124.259

■ 0, 97.369, 124.259

■ 83, 97.369,
124.259

■ 83, 97.369,
124.259

■ 83, 97.633,
124.358

■ 83, 93.832,
123.175

■ 84, 88.036,
122.555

■ 85, 80.040,
122.375

■ 85, 70.359,
122.513

■ 86, 59.524,

122.854

■ 87, 47.951,
123.309

■ 88, 35.936,
123.819

■ 89, 23.676,
124.345

■ 90, 11.308,
124.865

Harmonies

Complementary

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



83, 97.369, 124.259



34, 117.781, 309.660

Rectangle

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



83, 97.369, 124.259



83, 97.369, 174.259



83, 97.369, 304.259



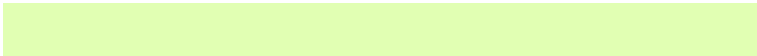
83, 97.369, 354.259

Sweetspot

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



83, 97.369, 124.260



96, 40.206, 123.765



56, 83.387, 51.674



51, 27.363, 123.546



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, 97.369, 124.260



91, 105.639, 124.450



80, 109.821, 135.527



48, 7.015, 124.849



66, 80.596, 124.089



19, 31.288, 123.559

Inverse Universe

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



34, 117.781, 309.660



38, 127.879, 309.566



50, 107.623, 323.693



44, 7.132, 305.786



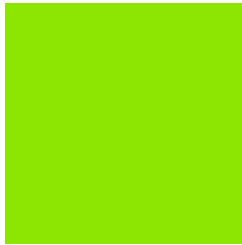
25, 97.585, 309.800



4, 34.987, 307.339

Previews

White Background



This preview shows how the CIE LCh color 83, 97.369, 124.259 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, 97.369, 124.259 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

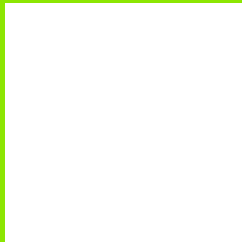
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 97.369, 124.259

Background



This preview shows how black text looks on a background with the CIELCh color 83, 97.369, 124.259.



This preview shows how white text looks on a background with the CIELCh color 83, 97.369, 124.259.

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

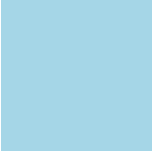
83, 97.369, 124.259

Protanopia

83, 83.361, 94.954

Deuteranopia

83, 66.407, 81.651



Tritanopia
83, 18.046, 228.529

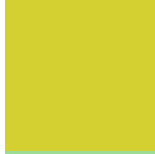
Trichromacy



Original Color
83, 97.369, 124.259



Protanomaly
82, 85.468, 107.480



Deuteranomaly
82, 74.657, 101.896

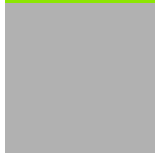


Tritanomaly
82, 44.708, 139.414

Monochromacy



Original Color
83, 97.369, 124.259



Achromatopsia
72, 0.009, 296.813



Achromatomaly
75, 45.345, 122.817

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 97.369, 124.259 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(140, 230, 2)` looks like.

```
.text, #text, p{  
    color:rgb(140, 230, 2)  
}
```

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(140, 230, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 230, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 97.369, 124.259 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(140, 230, 2) }
```

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

```
.border{ border-color:rgb(140, 230, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 230, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 230, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 230, 2);  
box-shadow:4px 4px 4px 4px rgb(140, 230,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 97.369, 124.259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 230, 2) }
```

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

```
.background{ background-color: rgb(140,  
230, 2) }
```

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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