

Converting Colors

CIELCh(85, 99.581, 123.937)

Have a look what the booklet for
CIELCh(85, 99.581, 123.937)
contains.

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Color

CIELCh(85, 99.265, 123.999)

Conversions

Conversions Part 1

Format	Color
Hex	91EC00
RGB	145, 236, 0
RGB Percent	57%, 93%, 0%
CMY	0.4314, 0.0745, 0.9999
CMYK	0.39, 0.00, 1.00, 0.07
HSL	83°, 100%, 46%
HSV	83°, 100%, 93%
XYZ	41.6700, 66.0070, 10.5439
YIQ	181.8870, 21.5200, -92.6880

Conversions

Conversions Part 2

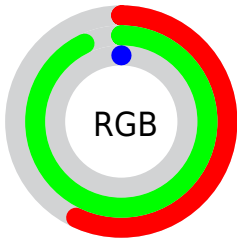
Format	Color
RYB	0, 236, 91
Decimal	9563136
CIELab	85.00, -55.51, 82.30
CIELCh	85, 99.265, 123.999
Yxy	66.0070, 0.3525, 0.5583
Android (android.graphics.Color)	4287753216 (0xFF91EC00)
YUV	181.8870, -89.6703, -32.3499
Hunter-Lab	81.2447, -50.6265, 49.1767

Details

The CIELCh color **85, 99.265, 123.999** 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 **35, 120.756, 309.454**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 80.683, 118.603**, and **65, 84.436, 128.987** is the 20% darker color. If you saturate the color by 10%, you get **85, 99.267, 124.001**, and if you desaturate by 10%, it is **85, 95.857, 122.890**.

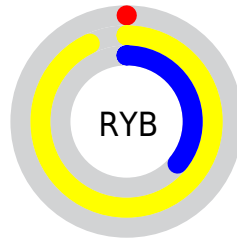
Distribution



Red (57%)

Green (93%)

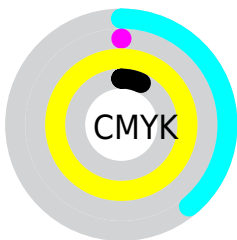
Blue (0%)



Red (0%)

Yellow (93%)

Blue (36%)

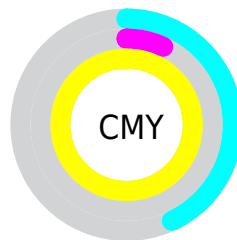


Cyan (39%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (43%)


Magenta (7%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 99.265, 123.999 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 85, 99.265, 123.999 by changing the saturation by 10% instead.


 85, 99.265,
123.999


 85, 99.265,
123.999


 100, 99.265,
123.999


 75, 99.265,
123.999

 65, 99.265,
123.999

 55, 99.265,
123.999

 45, 99.265,
123.999

 35, 99.265,
123.999

 25, 99.265,
123.999

 15, 99.265,

123.999

■ 5, 99.265, 123.999

■ 0, 99.265, 123.999

■ 85, 99.265,
123.999

■ 85, 99.265,
123.999

■ 85, 99.267,
124.001

■ 85, 95.857,
122.890

■ 86, 90.213,
122.226

■ 87, 82.278,
122.013

■ 87, 72.564,
122.130

■ 88, 61.621,

122.460

■ 89, 49.889,
122.912

■ 90, 37.679,
123.423

■ 91, 25.203,
123.954

■ 92, 12.604,
124.482

Harmonies

Complementary

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



85, 99.265, 123.999



35, 120.756, 309.454

Rectangle

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



85, 99.265, 123.999



85, 99.265, 173.999



85, 99.265, 303.999



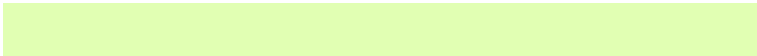
85, 99.265, 353.999

Sweetspot

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



85, 99.265, 124.000



96, 40.128, 123.416



57, 85.626, 51.463



51, 27.309, 123.195



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 99.265, 124.000



91, 105.315, 124.069



82, 112.217, 135.535



49, 7.130, 124.510



67, 81.215, 123.727



20, 32.610, 122.896

Inverse Universe

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



35, 120.756, 309.454



38, 128.113, 309.410



51, 109.926, 323.662



45, 7.251, 305.462



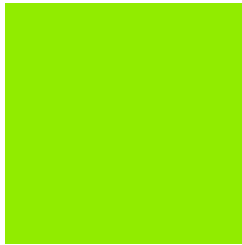
26, 98.810, 309.630



4, 37.082, 307.835

Previews

White Background



This preview shows how the CIE LCh color 85, 99.265, 123.999 looks on a white background.

Color Contrast Check

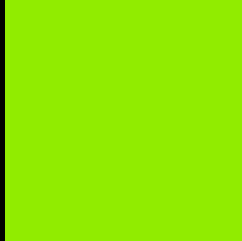
Large Text (above 18pt) WCAG AA × Fail

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 85, 99.265, 123.999 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

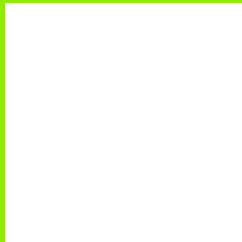
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 99.265, 123.999

Background



This preview shows how black text looks on a background with the CIELCh color 85, 99.265, 123.999.



This preview shows how white text looks on a background with the CIELCh color 85, 99.265, 123.999.

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](#).

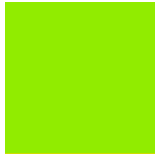
Dichromacy





Tritanopia
85, 17.970, 230.528

Trichromacy



Original Color
85, 99.265, 123.999



Protanomaly
84, 87.369, 107.630



Deuteranomaly
84, 69.811, 104.121

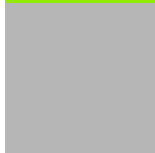


Tritanomaly
84, 45.213, 138.426

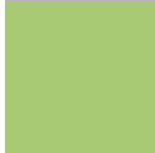
Monochromacy



Original Color
85, 99.265, 123.999



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 46.686, 122.731

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 99.265, 123.999 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(145, 236, 0)` looks like.

```
.text, #text, p{  
    color:rgb(145, 236, 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(145, 236, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 236, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 99.265, 123.999 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(145, 236, 0) }
```

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

```
.border{ border-color:rgb(145, 236, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 236, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 236, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 236, 0);  
box-shadow:4px 4px 4px 4px rgb(145, 236,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 99.265, 123.999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 236, 0) }
```

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

```
.background{ background-color: rgb(145,  
236, 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](#).

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