

Converting Colors

CIELCh(85, 103.499, 127.675)

Have a look what the booklet for
CIELCh(85, 103.499, 127.675)
contains.

CIELCh(85, 103.499, 127.675)	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(85, 103.499, 127.675)

Conversions

Conversions Part 1

Format	Color
Hex	7CEF00
RGB	124, 239, 0
RGB Percent	49%, 94%, 0%
CMY	0.5138, 0.0628, 1.0000
CMYK	0.48, 0.00, 1.00, 0.06
HSL	89°, 100%, 47%
HSV	89°, 100%, 94%
XYZ	39.1711, 66.0070, 10.6743
YIQ	177.3690, 8.1790, -98.7090

Conversions

Conversions Part 2

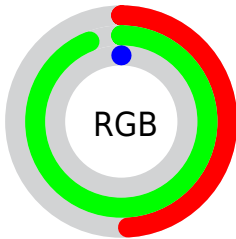
Format	Color
RYB	0, 239, 115
Decimal	8187648
CIELab	85.00, -63.26, 81.92
CIELCh	85, 103.499, 127.675
Yxy	66.0070, 0.3381, 0.5698
Android (android.graphics.Color)	4286377728 (0xFF7CEF00)
YUV	177.3690, -87.4429, -46.8046
Hunter-Lab	81.2447, -56.1167, 49.0815

Details

The CIELCh color **85, 103.499, 127.675** 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 **38, 119.503, 311.296**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 82.972, 123.316**, and **65, 89.397, 132.994** is the 20% darker color. If you saturate the color by 10%, you get **85, 103.496, 127.677**, and if you desaturate by 10%, it is **85, 99.734, 126.549**.

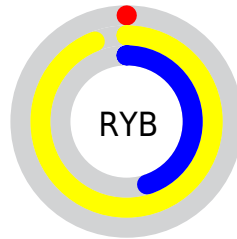
Distribution



Red (49%)

Green (94%)

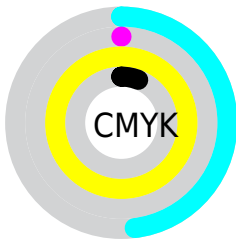
Blue (0%)



Red (0%)

Yellow (94%)

Blue (45%)

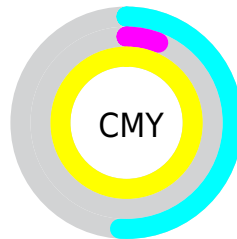


Cyan (48%)

Magenta (0%)

Yellow (100%)

Black (6%)



Cyan (51%)


Magenta (6%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 103.499, 127.675 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, 103.499, 127.675 by changing the saturation by 10% instead.


 85, 103.499,
127.675


 85, 103.499,
127.675


 100, 103.499,
127.675


 75, 103.499,
127.675

 65, 103.499,
127.675

 55, 103.499,
127.675

 45, 103.499,
127.675

 35, 103.499,
127.675

 25, 103.499,
127.675

 15, 103.499,

127.675

■ 5, 103.499,
127.675

■ 0, 103.499,
127.675

■ 85, 103.499,
127.675

■ 85, 103.499,
127.675

■ 85, 103.496,
127.677

■ 85, 99.734,
126.549

■ 86, 93.691,
125.867

■ 87, 85.330,
125.643

■ 88, 75.172,
125.753

■ 88, 63.774,
126.072

■ 89, 51.586,
126.505

■ 91, 38.925,
126.988

■ 92, 26.012,
127.483

■ 93, 12.999,
127.967

Harmonies

Complementary

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



85, 103.499, 127.675



38, 119.503, 311.296

Rectangle

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



85, 103.499, 127.675



85, 103.499, 177.675



85, 103.499, 307.675



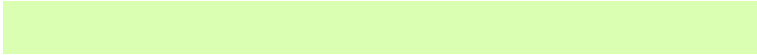
85, 103.499, 357.675

Sweetspot

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



85, 103.496, 127.677



96, 41.025, 126.983



62, 82.702, 57.264



51, 27.931, 126.776



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, 103.496, 127.677



90, 108.764, 127.735



83, 113.883, 135.916



50, 7.403, 127.992



67, 84.712, 127.401



20, 34.936, 126.345

Inverse Universe

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



38, 119.503, 311.296



40, 125.565, 311.256



55, 110.209, 326.900



46, 7.509, 308.835



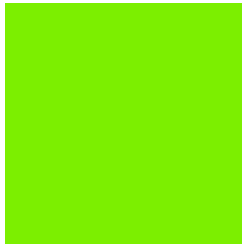
28, 97.888, 311.484



5, 39.559, 311.469

Previews

White Background



This preview shows how the CIE LCh color 85, 103.499, 127.675 looks on a white background.

Color Contrast Check

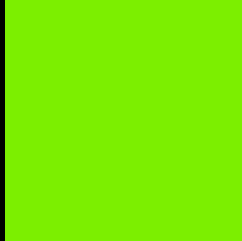
Large Text (above 18pt) WCAG AA × Fail

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 85, 103.499, 127.675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

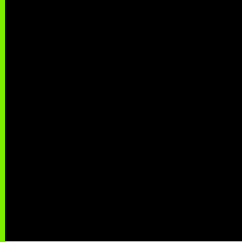
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 103.499, 127.675

Background



This preview shows how black text looks on a background with the CIELCh color 85, 103.499, 127.675.



This preview shows how white text looks on a background with the CIELCh color 85, 103.499, 127.675.

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

85, 103.499, 127.675

Protanopia

84, 84.901, 94.833

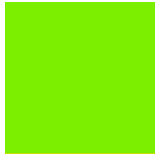
Deuteranopia

84, 52.711, 80.504



Tritanopia
85, 22.746, 222.942

Trichromacy



Original Color
85, 103.499, 127.675



Protanomaly
84, 87.723, 109.548



Deuteranomaly
83, 69.895, 106.914

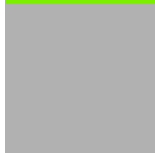


Tritanomaly
84, 49.740, 144.642

Monochromacy



Original Color
85, 103.499, 127.675



Achromatopsia
72, 0.009, 296.813



Achromatomaly
76, 48.432, 126.422

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 103.499, 127.675 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(124, 239, 0)` looks like.

```
.text, #text, p{  
    color:rgb(124, 239, 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(124, 239, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 239, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 103.499, 127.675 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(124, 239, 0) }
```

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

```
.border{ border-color:rgb(124, 239, 0) }
```

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

Here you see how a box with a 4 pixel rgb(124, 239, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 239, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 239, 0);  
box-shadow:4px 4px 4px 4px rgb(124, 239,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 103.499, 127.675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 239, 0) }
```

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

```
.background{ background-color: rgb(124,  
239, 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