

Converting Colors

CIELCh(86, 97.777, 121.476)

Have a look what the booklet for
CIELCh(86, 97.777, 121.476)
contains.

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Color

CIELCh(86, 97.743, 121.495)

Conversions

Conversions Part 1

Format	Color
Hex	9FED00
RGB	159, 237, 0
RGB Percent	62%, 93%, 0%
CMY	0.3762, 0.0703, 0.9989
CMYK	0.33, 0.00, 1.00, 0.07
HSL	80°, 100%, 47%
HSV	80°, 100%, 93%
XYZ	44.6179, 67.9871, 10.7783
YIQ	186.6600, 29.5890, -90.2430

Conversions

Conversions Part 2

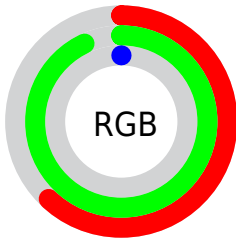
Format	Color
RYB	0, 237, 78
Decimal	10480896
CIELab	86.00, -51.06, 83.34
CIELCh	86, 97.743, 121.495
Yxy	67.9871, 0.3616, 0.5510
Android (android.graphics.Color)	4288670976 (0xFF9FED00)
YUV	186.6600, -92.0234, -24.2578
Hunter-Lab	82.4543, -47.7045, 49.9677

Details

The CIELCh color **86, 97.743, 121.495** 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 **33, 122.426, 308.582**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 79.370, 114.818**, and **66, 83.033, 126.380** is the 20% darker color. If you saturate the color by 10%, you get **86, 97.776, 121.509**, and if you desaturate by 10%, it is **86, 94.552, 120.455**.

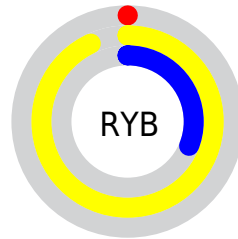
Distribution



Red (62%)

Green (93%)

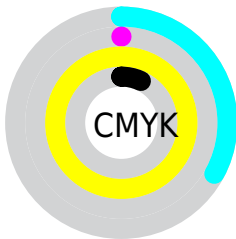
Blue (0%)



Red (0%)

Yellow (93%)

Blue (31%)

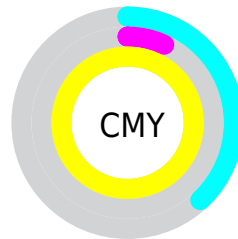


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (38%)


Magenta (7%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 97.743, 121.495 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 86, 97.743, 121.495 by changing the saturation by 10% instead.

 86, 97.743,
121.495

 86, 97.743,
121.495

 100, 97.743,
121.495

 76, 97.743,
121.495

 66, 97.743,
121.495

 56, 97.743,
121.495

 46, 97.743,
121.495

 36, 97.743,
121.495

 26, 97.743,
121.495

 16, 97.743,

121.495

■ 6, 97.743, 121.495

■ 0, 97.743, 121.495

■ 86, 97.743,
121.495

■ 86, 97.743,
121.495

■ 86, 97.776,
121.509

■ 86, 94.552,
120.455

■ 87, 89.094,
119.853

■ 88, 81.324,
119.686

■ 88, 71.759,
119.839

■ 89, 60.954,

120.201

■ 90, 49.349,
120.686

■ 91, 37.258,
121.232

■ 92, 24.889,
121.800

■ 93, 12.385,
122.368

Harmonies

Complementary

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



86, 97.743, 121.495



33, 122.426, 308.582

Rectangle

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



86, 97.743, 121.495



86, 97.743, 171.495



86, 97.743, 301.495



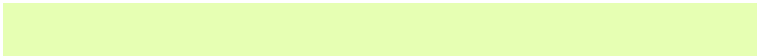
86, 97.743, 351.495

Sweetspot

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



86, 97.743, 121.496



97, 39.676, 121.218



55, 89.111, 47.724



51, 26.995, 120.983



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 97.743, 121.496



92, 103.365, 121.570



82, 111.731, 134.975



49, 7.059, 122.391



67, 79.751, 121.247



20, 32.111, 120.471

Inverse Universe

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



33, 122.426, 308.582



36, 129.494, 308.542



49, 111.201, 321.196



45, 7.189, 303.435



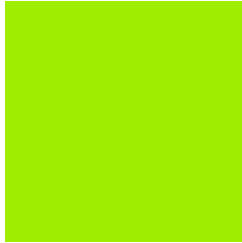
25, 99.876, 308.743



3, 36.796, 306.064

Previews

White Background



This preview shows how the CIELCh color 86, 97.743, 121.495 looks on a white background.

Color Contrast Check

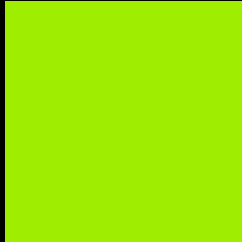
Large Text (above 18pt) WCAG AA × Fail

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 86, 97.743, 121.495 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 86, 97.743, 121.495

Background



This preview shows how black text looks on a background with the CIELCh color 86, 97.743, 121.495.



This preview shows how white text looks on a background with the CIELCh color 86, 97.743, 121.495.

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

86, 97.743, 121.495

Protanopia

86, 86.074, 94.972

Deuteranopia

85, 46.736, 80.342



Tritanopia
86, 15.217, 237.353

Trichromacy



Original Color
86, 97.743, 121.495



Protanomaly
85, 87.744, 105.933



Deuteranomaly
85, 67.145, 103.298



Tritanomaly
85, 43.144, 134.225

Monochromacy



Original Color
86, 97.743, 121.495



Achromatopsia
76, 0.009, 296.813



Achromatomaly
79, 46.015, 120.442

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 97.743, 121.495 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(159, 237, 0)` looks like.

```
.text, #text, p{  
    color:rgb(159, 237, 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(159, 237, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 237, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 97.743, 121.495 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(159, 237, 0) }
```

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

```
.border{ border-color:rgb(159, 237, 0) }
```

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

Here you see how a box with a 4 pixel rgb(159, 237, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 237, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 237, 0);  
box-shadow:4px 4px 4px 4px rgb(159, 237,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 97.743, 121.495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 237, 0) }
```

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

```
.background{ background-color: rgb(159,  
237, 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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