

Converting Colors

CIELCh(87, 97.544, 120.727)

Have a look what the booklet for
CIELCh(87, 97.544, 120.727)
contains.

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Color

CIELCh(87, 97.392, 120.671)

Conversions

Conversions Part 1

Format	Color
Hex	A5EF06
RGB	165, 239, 6
RGB Percent	65%, 94%, 2%
CMY	0.3514, 0.0613, 0.9749
CMYK	0.31, 0.00, 0.97, 0.06
HSL	79°, 95%, 48%
HSV	79°, 97%, 94%
XYZ	46.6079, 70.0064, 11.2391
YIQ	190.3120, 30.6890, -88.1510

Conversions

Conversions Part 2

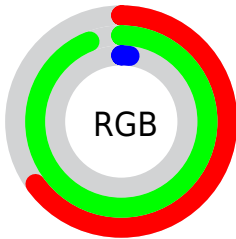
Format	Color
RYB	6, 239, 80
Decimal	10874630
CIELab	87.00, -49.68, 83.77
CIELCh	87, 97.392, 120.671
Yxy	70.0064, 0.3645, 0.5476
Android (android.graphics.Color)	4289064710 (0xFFA5EF06)
YUV	190.3120, -90.8658, -22.1986
Hunter-Lab	83.6698, -46.9896, 50.6046

Details

The CIELCh color **87, 97.392, 120.671** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **34, 122.317, 308.482**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 78.182, 113.258**, and **67, 82.982, 125.380** is the 20% darker color. If you saturate the color by 10%, you get **87, 98.126, 120.963**, and if you desaturate by 10%, it is **87, 93.795, 119.728**.

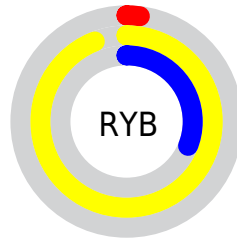
Distribution



Red (65%)

Green (94%)

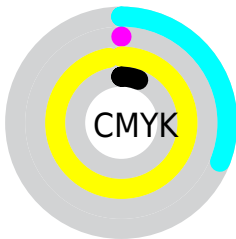
Blue (2%)



Red (2%)

Yellow (94%)

Blue (31%)

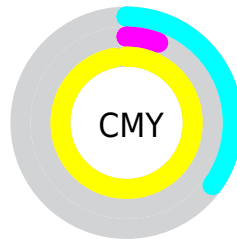


Cyan (31%)

Magenta (0%)

Yellow (97%)

Black (6%)



Cyan (35%)


Magenta (6%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 97.392, 120.671 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 87, 97.392, 120.671 by changing the saturation by 10% instead.


 87, 97.392,
120.671


 87, 97.392,
120.671


 100, 97.392,
120.671


 77, 97.392,
120.671

 67, 97.392,
120.671

 57, 97.392,
120.671

 47, 97.392,
120.671

 37, 97.392,
120.671


 27, 97.392,
120.671


 17, 97.392,

120.671


 7, 97.392, 120.671


 0, 97.392, 120.671


 87, 97.392,
120.671

 87, 97.392,
120.671

 87, 98.126,
120.963

 87, 93.795,
119.728

 88, 87.719,
119.260

 89, 79.420,
119.197

 89, 69.454,
119.422

 90, 58.360,

119.831

■ 91, 46.549,
120.344

■ 92, 34.306,
120.908

■ 93, 21.824,
121.488

■ 94, 9.230, 122.063

Harmonies

Complementary

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



87, 97.392, 120.671



34, 122.317, 308.482

Rectangle

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



87, 97.392, 120.671



87, 97.392, 170.671



87, 97.392, 300.671



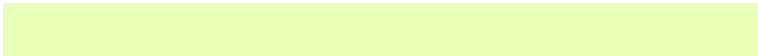
87, 97.392, 350.671

Sweetspot

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



87, 97.392, 120.672



97, 38.292, 120.806



56, 88.026, 48.051



51, 26.204, 120.563



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 97.392, 120.672



92, 102.972, 121.014



83, 111.798, 134.899



50, 7.171, 121.940



68, 80.294, 120.713



21, 33.356, 119.725

Inverse Universe

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



34, 122.317, 308.482



36, 129.766, 308.380



50, 111.408, 321.313



46, 7.305, 303.007



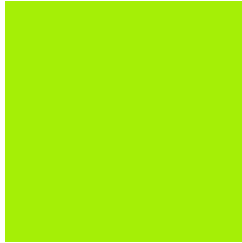
25, 101.146, 308.567



4, 38.857, 306.491

Previews

White Background



This preview shows how the CIELCh color 87, 97.392, 120.671 looks on a white background.

Color Contrast Check

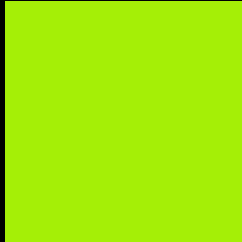
Large Text (above 18pt) WCAG AA × Fail

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 87, 97.392, 120.671 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 87, 97.392, 120.671

Background



This preview shows how black text looks on a background with the CIELCh color 87, 97.392, 120.671.

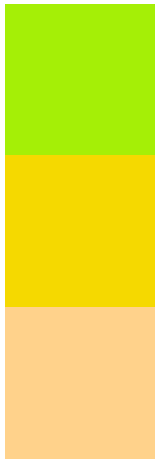


This preview shows how white text looks on a background with the CIELCh color 87, 97.392, 120.671.

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](#).

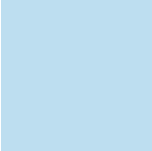
Dichromacy



Original Color
87, 97.318, 120.689

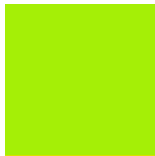
Protanopia
87, 86.727, 94.753

Deuteranopia
87, 41.615, 80.363



Tritanopia
87, 14.240, 240.520

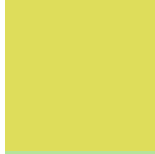
Trichromacy



Original Color
87, 97.318, 120.689



Protanomaly
86, 88.116, 105.373



Deuteranomaly
86, 64.233, 104.331

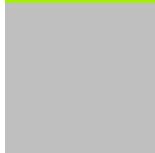


Tritanomaly
86, 41.932, 132.867

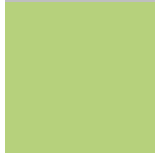
Monochromacy



Original Color
87, 97.318, 120.689



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 45.303, 120.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 97.392, 120.671 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(165, 239, 6)` looks like.

```
.text, #text, p{  
    color:rgb(165, 239, 6)  
}
```

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(165, 239, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 239, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 97.392, 120.671 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(165, 239, 6) }
```

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

```
.border{ border-color:rgb(165, 239, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 239, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 239, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 239, 6);  
box-shadow:4px 4px 4px 4px rgb(165, 239,  
6) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 97.392, 120.671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 239, 6) }
```

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

```
.background{ background-color: rgb(165,  
239, 6) }
```

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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