

Converting Colors

CIELCh(87, 97.448, 120.890)

Have a look what the booklet for
CIELCh(87, 97.448, 120.890)
contains.

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Color

CIELCh(87, 97.577, 120.866)

Conversions

Conversions Part 1

Format	Color
Hex	A5F006
RGB	165, 240, 6
RGB Percent	65%, 94%, 2%
CMY	0.3548, 0.0606, 0.9753
CMYK	0.31, 0.00, 0.97, 0.06
HSL	79°, 95%, 48%
HSV	79°, 97%, 94%
XYZ	46.4734, 70.0064, 11.2430
YIQ	190.8990, 30.4140, -88.6740

Conversions

Conversions Part 2

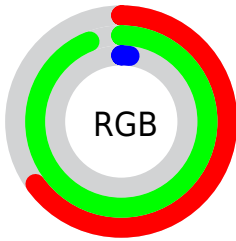
Format	Color
RYB	6, 240, 81
Decimal	10874886
CIELab	87.00, -50.06, 83.76
CIELCh	87, 97.577, 120.866
Yxy	70.0064, 0.3639, 0.5481
Android (android.graphics.Color)	4289064966 (0xFFA5F006)
YUV	190.8990, -91.1552, -22.7134
Hunter-Lab	83.6698, -47.2766, 50.6019

Details

The CIELCh color **87, 97.577, 120.866** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle saturated chartreuse. A complement of this color would be **34, 122.318, 308.538**, and the grayscale version is **77, 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, 98.303, 121.155**, and if you desaturate by 10%, it is **87, 93.972, 119.914**.

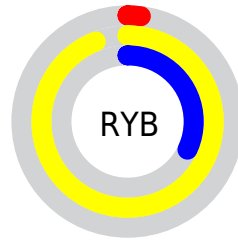
Distribution



Red (65%)

Green (94%)

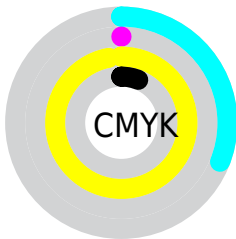
Blue (2%)



Red (2%)

Yellow (94%)

Blue (32%)

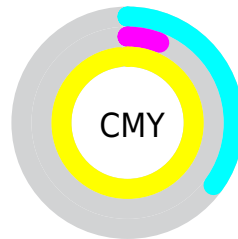


Cyan (31%)

Magenta (0%)

Yellow (97%)

Black (6%)



Cyan (35%)

Magenta (6%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 97.577, 120.866 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, 97.577, 120.866 by changing the saturation by 10% instead.

■ 87, 97.577,
120.866

■ 87, 97.577,
120.866

■ 100, 97.577,
120.866

■ 77, 97.577,
120.866

■ 67, 97.577,
120.866

■ 57, 97.577,
120.866

■ 47, 97.577,
120.866

■ 37, 97.577,
120.866

■ 27, 97.577,
120.866

■ 17, 97.577,

120.866

■ 7, 97.577, 120.866

■ 0, 97.577, 120.866

■ 87, 97.577,
120.866

■ 87, 97.577,
120.866

■ 87, 98.303,
121.155

■ 87, 93.972,
119.914

■ 88, 87.889,
119.438

■ 89, 79.581,
119.369

■ 89, 69.603,
119.590

■ 90, 58.495,

119.995

■ 91, 46.668,
120.505

■ 92, 34.410,
121.066

■ 93, 21.912,
121.642

■ 94, 9.302, 122.214

Harmonies

Complementary

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



87, 97.577, 120.866



34, 122.318, 308.538

Rectangle

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



87, 97.577, 120.866



87, 97.577, 170.866



87, 97.577, 300.866



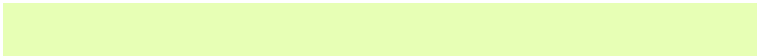
87, 97.577, 350.866

Sweetspot

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



87, 97.577, 120.867



97, 38.320, 120.967



56, 88.105, 48.043



51, 26.224, 120.725



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, 97.577, 120.867



92, 103.106, 121.206



83, 111.870, 134.901



50, 7.176, 122.094



68, 80.395, 120.902



21, 33.391, 119.907

Inverse Universe

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



34, 122.318, 308.538



36, 129.674, 308.434



50, 111.476, 321.311



46, 7.309, 303.154



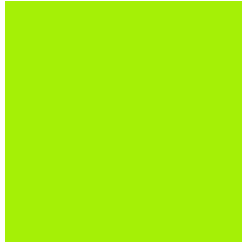
25, 101.073, 308.623



4, 38.874, 306.607

Previews

White Background



This preview shows how the CIELCh color 87, 97.577, 120.866 looks on a white background.

Color Contrast Check

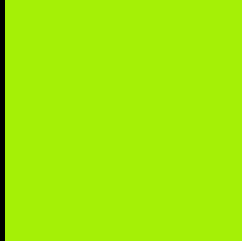
Large Text (above 18pt) WCAG AA × Fail

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, 97.577, 120.866 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, 97.577, 120.866

Background



This preview shows how black text looks on a background with the CIELCh color 87, 97.577, 120.866.



This preview shows how white text looks on a background with the CIELCh color 87, 97.577, 120.866.

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, 97.722, 120.830

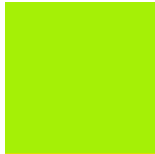
Protanopia
87, 86.727, 94.753

Deuteranopia
87, 41.615, 80.363



Tritanopia
87, 14.413, 237.123

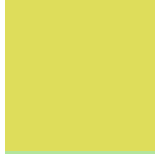
Trichromacy



Original Color
87, 97.722, 120.830



Protanomaly
86, 88.116, 105.373



Deuteranomaly
86, 64.233, 104.331

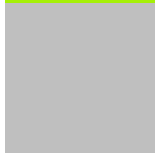


Tritanomaly
86, 42.696, 133.418

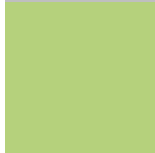
Monochromacy



Original Color
87, 97.722, 120.830



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 45.407, 120.660

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 97.577, 120.866 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, 240, 6)` looks like.

```
.text, #text, p{  
    color:rgb(165, 240, 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, 240, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 240, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 97.577, 120.866 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, 240, 6) }
```

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

```
.border{ border-color:rgb(165, 240, 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, 240, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 240, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 240, 6);  
box-shadow:4px 4px 4px 4px rgb(165, 240,  
6) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 97.577, 120.866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 240, 6) }
```

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

```
.background{ background-color: rgb(165,  
240, 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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