

Converting Colors

CIELCh(85, 86.985, 122.641)

Have a look what the booklet for
CIELCh(85, 86.985, 122.641)
contains.

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Color

CIELCh(85, 87.032, 122.633)

Conversions

Conversions Part 1

Format	Color
Hex	A2E937
RGB	162, 233, 55
RGB Percent	64%, 91%, 22%
CMY	0.3660, 0.0876, 0.7858
CMYK	0.31, 0.00, 0.77, 0.09
HSL	84°, 80%, 56%
HSV	84°, 77%, 91%
XYZ	44.5561, 66.0070, 13.9582
YIQ	191.4790, 14.8220, -70.4100

Conversions

Conversions Part 2

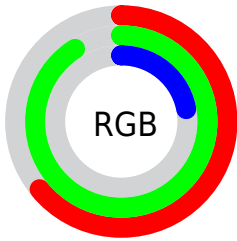
Format	Color
RYB	55, 233, 126
Decimal	10676535
CIELab	85.00, -46.93, 73.29
CIELCh	85, 87.032, 122.633
Yxy	66.0070, 0.3578, 0.5301
Android (android.graphics.Color)	4288866615 (0xFFA2E937)
YUV	191.4790, -67.2841, -25.8531
Hunter-Lab	81.2447, -44.2855, 46.6850

Details

The CIELCh color **85, 87.032, 122.633** is a light color, and the websafe version is hex **99CC00**. The color can be described as light washed chartreuse. A complement of this color would be **43, 101.594, 310.057**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 69.347, 116.290**, and **65, 80.557, 124.797** is the 20% darker color. If you saturate the color by 10%, you get **84, 93.507, 123.134**, and if you desaturate by 10%, it is **86, 78.454, 122.547**.

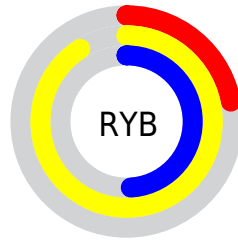
Distribution



Red (64%)

Green (91%)

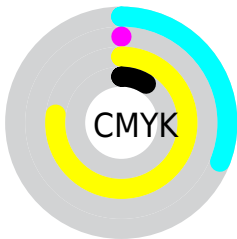
Blue (22%)



Red (22%)

Yellow (91%)

Blue (49%)

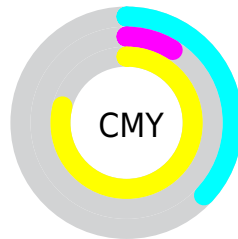


Cyan (31%)

Magenta (0%)

Yellow (77%)

Black (9%)



Cyan (37%)


Magenta (9%)

Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 87.032, 122.633 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, 87.032, 122.633 by changing the saturation by 10% instead.


 85, 87.032,
122.633

 85, 87.032,
122.633


 100, 87.032,
122.633


 75, 87.032,
122.633

 65, 87.032,
122.633

 55, 87.032,
122.633

 45, 87.032,
122.633

 35, 87.032,
122.633

 25, 87.032,
122.633

 15, 87.032,

122.633

■ 5, 87.032, 122.633

■ 0, 87.032, 122.633

■ 85, 87.032,
122.633

■ 85, 87.032,
122.633

■ 84, 93.507,
123.134

■ 86, 78.454,
122.547

■ 84, 97.566,
124.132

■ 86, 68.320,
122.746


■ 84, 98.635,
124.537


■ 87, 57.142,
123.123

■ 88, 45.307,
123.595

■ 89, 33.085,

124.110

 90, 20.658,
124.634

 91, 8.151, 125.151

 93, 4.350, 305.602

 94, 12.359,
311.500

Harmonies

Complementary

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



85, 87.032, 122.633



43, 101.594, 310.057

Rectangle

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



85, 87.032, 122.633



85, 87.032, 172.633



85, 87.032, 302.633



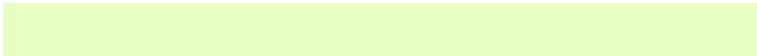
85, 87.032, 352.633

Sweetspot

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



85, 87.032, 122.634



97, 30.935, 124.289



63, 66.129, 55.234



51, 21.386, 124.099



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, 87.032, 122.634



91, 103.108, 123.666



82, 99.219, 135.873



49, 7.148, 124.999



67, 81.570, 124.274



20, 32.734, 123.439

Inverse Universe

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



43, 101.594, 310.057



40, 123.705, 310.046



55, 98.714, 324.062



45, 7.267, 305.933



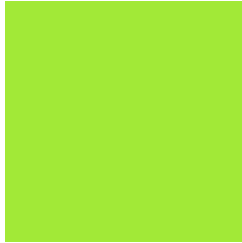
26, 98.549, 309.861



4, 37.150, 308.261

Previews

White Background



This preview shows how the CIE LCh color 85, 87.032, 122.633 looks on a white background.

Color Contrast Check

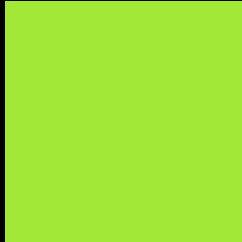
Large Text (above 18pt) WCAG AA × Fail

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, 87.032, 122.633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

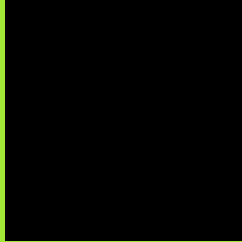
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 87.032, 122.633

Background



This preview shows how black text looks on a background with the CIELCh color 85, 87.032, 122.633.

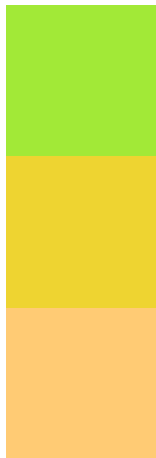


This preview shows how white text looks on a background with the CIELCh color 85, 87.032, 122.633.

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, 87.032, 122.633

Protanopia
85, 76.992, 95.077

Deuteranopia
85, 50.665, 80.268



Tritanopia
85, 14.218, 237.990

Trichromacy



Original Color
85, 87.032, 122.633



Protanomaly
85, 78.364, 106.653



Deuteranomaly
84, 60.154, 102.109

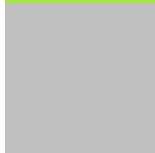


Tritanomaly
84, 33.495, 140.021

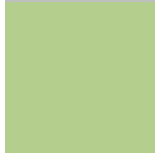
Monochromacy



Original Color
85, 87.032, 122.633



Achromatopsia
77, 0.009, 296.813



Achromatomaly
79, 35.583, 123.905

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 87.032, 122.633 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(162, 233, 55)` looks like.

```
.text, #text, p{  
    color:rgb(162, 233, 55)  
}
```

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(162, 233, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 233, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 87.032, 122.633 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(162, 233, 55) }
```

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

```
.border{ border-color:rgb(162, 233, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 233, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 233, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 233, 55);  
box-shadow:4px 4px 4px 4px rgb(162, 233,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 87.032, 122.633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 233, 55) }
```

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

```
.background{ background-color: rgb(162,  
233, 55) }
```

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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