

Converting Colors

CIELCh(87, 99.496, 122.649)

Have a look what the booklet for
CIELCh(87, 99.496, 122.649)
contains.

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Color

CIELCh(87, 99.475, 122.663)

Conversions

Conversions Part 1

Format	Color
Hex	9CF104
RGB	156, 241, 4
RGB Percent	61%, 95%, 2%
CMY	0.3881, 0.0548, 0.9838
CMYK	0.35, 0.00, 0.98, 0.05
HSL	82°, 97%, 48%
HSV	82°, 98%, 95%
XYZ	45.2017, 70.0064, 11.2477
YIQ	188.5670, 25.4170, -91.7270

Conversions

Conversions Part 2

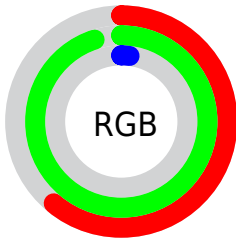
Format	Color
R_{YB}	4, 241, 89
Decimal	10285316
CIE _{Lab}	87.00, -53.69, 83.74
CIE _{LCh}	87, 99.475, 122.663
Yxy	70.0064, 0.3575, 0.5536
Android (android.graphics.Color)	4288475396 (0xFF9CF104)
YUV	188.5670, -90.9915, -28.5613
Hunter-Lab	83.6698, -49.9896, 50.5985

Details

The CIELCh color **87, 99.475, 122.663** 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 **35, 122.525, 309.069**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 78.885, 115.801**, and **67, 84.920, 127.489** is the 20% darker color. If you saturate the color by 10%, you get **87, 99.976, 122.860**, and if you desaturate by 10%, it is **87, 95.880, 121.620**.

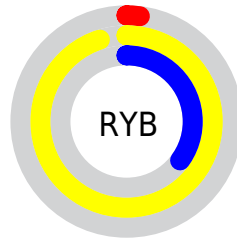
Distribution



Red (61%)

Green (95%)

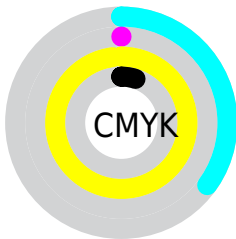
Blue (2%)



Red (2%)

Yellow (95%)

Blue (35%)

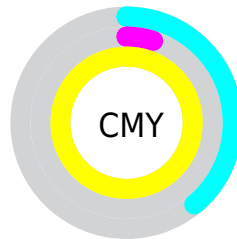


Cyan (35%)

Magenta (0%)

Yellow (98%)

Black (5%)



Cyan (39%)

Magenta (5%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 99.475, 122.663 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, 99.475, 122.663 by changing the saturation by 10% instead.

■ 87, 99.475,
122.663

■ 87, 99.475,
122.663

■ 100, 99.475,
122.663

■ 77, 99.475,
122.663

■ 67, 99.475,
122.663

■ 57, 99.475,
122.663

■ 47, 99.475,
122.663

■ 37, 99.475,
122.663

■ 27, 99.475,
122.663

■ 17, 99.475,

122.663

■ 7, 99.475, 122.663

■ 0, 99.475, 122.663

■ 87, 99.475,
122.663

■ 87, 99.475,
122.663

■ 87, 99.976,
122.860

■ 87, 95.880,
121.620

■ 88, 89.848,
121.057

■ 89, 81.546,
120.921

■ 89, 71.521,
121.094

■ 90, 60.323,

121.462

■ 91, 48.376,
121.942

■ 92, 35.980,
122.474

■ 93, 23.336,
123.023

■ 94, 10.579,
123.568

Harmonies

Complementary

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



87, 99.475, 122.663



35, 122.525, 309.069

Rectangle

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



87, 99.475, 122.663



87, 99.475, 172.663



87, 99.475, 302.663



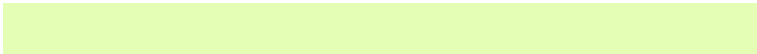
87, 99.475, 352.663

Sweetspot

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



87, 99.475, 122.664



97, 38.595, 122.431



58, 87.544, 49.725



51, 26.417, 122.200



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, 99.475, 122.664



91, 104.370, 122.908



84, 113.179, 135.267



50, 7.222, 123.504



68, 81.356, 122.589



21, 33.722, 121.538

Inverse Universe

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



35, 122.525, 309.069



37, 128.787, 308.976



51, 111.749, 322.472



46, 7.349, 304.500



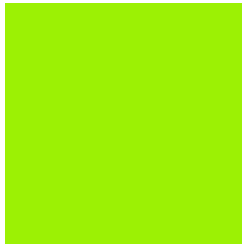
26, 100.379, 309.177



4, 39.035, 307.691

Previews

White Background



This preview shows how the CIELCh color 87, 99.475, 122.663 looks on a white background.

Color Contrast Check

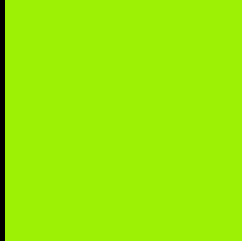
Large Text (above 18pt) WCAG AA × Fail

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 87, 99.475, 122.663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

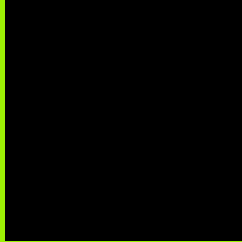
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 99.475, 122.663

Background



This preview shows how black text looks on a background with the CIELCh color 87, 99.475, 122.663.



This preview shows how white text looks on a background with the CIELCh color 87, 99.475, 122.663.

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, 99.475, 122.663

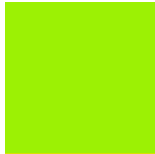
Protanopia
87, 86.727, 94.753

Deuteranopia
87, 42.077, 80.603



Tritanopia
87, 16.668, 233.271

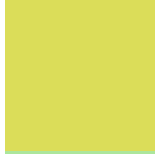
Trichromacy



Original Color
87, 99.475, 122.663



Protanomaly
86, 88.525, 106.462



Deuteranomaly
86, 65.068, 105.379

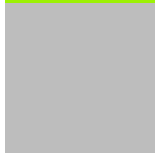


Tritanomaly
86, 44.093, 136.627

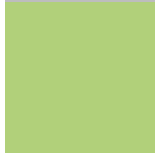
Monochromacy



Original Color
87, 99.475, 122.663



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 46.248, 121.871

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 99.475, 122.663 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(156, 241, 4)` looks like.

```
.text, #text, p{  
    color:rgb(156, 241, 4)  
}
```

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(156, 241, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 241, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 99.475, 122.663 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(156, 241, 4) }
```

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

```
.border{ border-color:rgb(156, 241, 4) }
```

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

Here you see how a box with a 4 pixel rgb(156, 241, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 241, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 241, 4);  
box-shadow:4px 4px 4px 4px rgb(156, 241,  
4) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 99.475, 122.663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 241, 4) }
```

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

```
.background{ background-color: rgb(156,  
241, 4) }
```

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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