

Converting Colors

CIELCh(87, 100.303, 125.552)

Have a look what the booklet for
CIELCh(87, 100.303, 125.552)
contains.

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Color

CIELCh(87, 100.299, 125.482)

Conversions

Conversions Part 1

Format	Color
Hex	90F317
RGB	144, 243, 23
RGB Percent	56%, 95%, 9%
CMY	0.4358, 0.0475, 0.9108
CMYK	0.41, 0.00, 0.91, 0.05
HSL	87°, 90%, 52%
HSV	87°, 91%, 95%
XYZ	43.6452, 70.0064, 12.0089
YIQ	188.3190, 11.6160, -89.4080

Conversions

Conversions Part 2

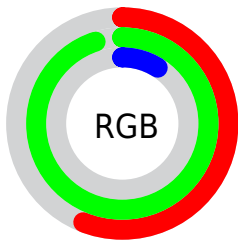
Format	Color
R_{YB}	23, 243, 122
Decimal	9499415
CIE _{Lab}	87.00, -58.22, 81.67
CIE _{LCh}	87, 100.299, 125.482
Yxy	70.0064, 0.3473, 0.5571
Android (android.graphics.Color)	4287689495 (0xFF90F317)
YUV	188.3190, -81.5023, -38.8678
Hunter-Lab	83.6698, -53.3101, 50.0592

Details

The CIELCh color **87, 100.299, 125.482** 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 **40, 117.137, 311.154**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 78.088, 119.235**, and **67, 87.681, 129.873** is the 20% darker color. If you saturate the color by 10%, you get **87, 103.690, 126.568**, and if you desaturate by 10%, it is **88, 94.467, 124.758**.

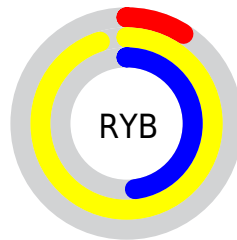
Distribution



Red (56%)

Green (95%)

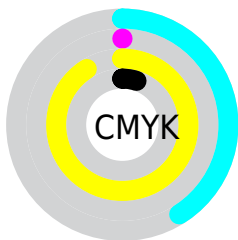
Blue (9%)



Red (9%)

Yellow (95%)

Blue (48%)

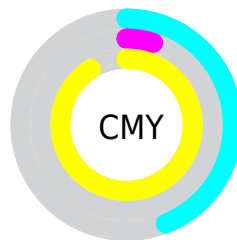


Cyan (41%)

Magenta (0%)

Yellow (91%)

Black (5%)



Cyan (44%)

Magenta (5%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 100.299, 125.482 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, 100.299, 125.482 by changing the saturation by 10% instead.

■ 87, 100.299,
125.482

■ 87, 100.299,
125.482

■ 100, 100.299,
125.482

■ 77, 100.299,
125.482

■ 67, 100.299,
125.482

■ 57, 100.299,
125.482

■ 47, 100.299,
125.482

■ 37, 100.299,
125.482

■ 27, 100.299,
125.482

■ 17, 100.299,

125.482

■ 7, 100.299,
125.482

■ 0, 100.299,
125.482

■ 87, 100.299,
125.482

■ 87, 100.299,
125.482

■ 87, 103.690,
126.568

■ 88, 94.467,
124.758

■ 88, 86.260,
124.499

■ 89, 76.191,
124.585

■ 90, 64.831,
124.891

■ 91, 52.642,
125.320

■ 92, 39.952,
125.806

■ 93, 26.989,
126.310

■ 94, 13.908,
126.806

■ 96, 0.816, 127.410

Harmonies

Complementary

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



87, 100.299, 125.482



40, 117.137, 311.154

Rectangle

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



87, 100.299, 125.482



87, 100.299, 175.482



87, 100.299, 305.482



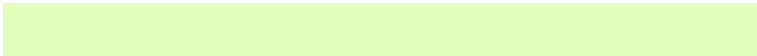
87, 100.299, 355.482

Sweetspot

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



87, 100.299, 125.483



96, 36.684, 125.985



63, 79.556, 57.090



51, 24.685, 125.813



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, 100.299, 125.483



90, 107.627, 126.611



84, 112.438, 135.911



51, 7.480, 126.862



68, 84.716, 126.293



22, 35.957, 125.005

Inverse Universe

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



40, 117.137, 311.154



39, 126.420, 310.598



56, 109.701, 325.720



47, 7.595, 307.738



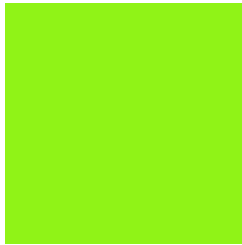
28, 99.573, 310.810



5, 41.352, 310.910

Previews

White Background



This preview shows how the CIE LCh color 87, 100.299, 125.482 looks on a white background.

Color Contrast Check

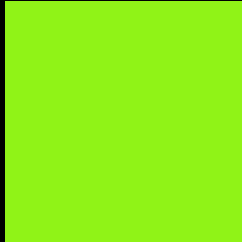
Large Text (above 18pt) WCAG AA × Fail

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, 100.299, 125.482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

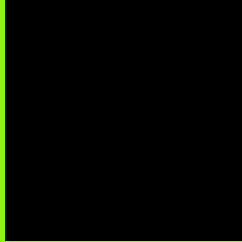
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 100.299, 125.482

Background



This preview shows how black text looks on a background with the CIELCh color 87, 100.299, 125.482.



This preview shows how white text looks on a background with the CIELCh color 87, 100.299, 125.482.

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, 100.299, 125.482

Protanopia

86, 85.983, 95.036

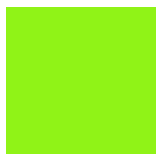
Deuteranopia

86, 41.859, 79.837



Tritanopia
87, 19.695, 227.175

Trichromacy



Original Color
87, 100.299, 125.482



Protanomaly
86, 87.804, 107.942

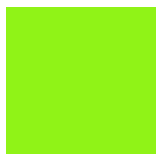


Deuteranomaly
86, 62.149, 107.202



Tritanomaly
86, 43.978, 143.400

Monochromacy



Original Color
87, 100.299, 125.482



Achromatopsia
76, 0.009, 296.813



Achromatomaly
79, 44.031, 125.447

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 100.299, 125.482 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(144, 243, 23)` looks like.

```
.text, #text, p{  
    color:rgb(144, 243, 23)  
}
```

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(144, 243, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 243, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 100.299, 125.482 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(144, 243, 23) }
```

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

```
.border{ border-color:rgb(144, 243, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 243, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 243, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 243, 23);  
box-shadow:4px 4px 4px 4px rgb(144, 243,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 100.299, 125.482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 243, 23) }
```

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

```
.background{ background-color: rgb(144,  
243, 23) }
```

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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