

Converting Colors

CIELCh(86, 99.229, 125.424)

Have a look what the booklet for
CIELCh(86, 99.229, 125.424)
contains.

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Color

CIELCh(86, 99.454, 125.488)

Conversions

Conversions Part 1

Format	Color
Hex	8EF016
RGB	142, 240, 22
RGB Percent	56%, 94%, 9%
CMY	0.4440, 0.0596, 0.9155
CMYK	0.41, 0.00, 0.91, 0.06
HSL	87°, 88%, 51%
HSV	87°, 91%, 94%
XYZ	42.3586, 67.9871, 11.6261
YIQ	185.8460, 11.5700, -88.5740

Conversions

Conversions Part 2

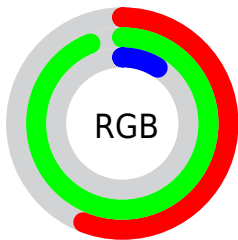
Format	Color
R_{YB}	22, 240, 120
Decimal	9367574
CIE Lab	86.00, -57.74, 80.98
CIE LCh	86, 99.454, 125.488
Yxy	67.9871, 0.3473, 0.5574
Android (android.graphics.Color)	4287557654 (0xFF8EF016)
YUV	185.8460, -80.7761, -38.4529
Hunter-Lab	82.4543, -52.5955, 49.3581

Details

The CIELCh color **86, 99.454, 125.488** 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 **39, 116.223, 311.127**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 78.685, 119.673**, and **66, 86.707, 129.959** is the 20% darker color. If you saturate the color by 10%, you get **86, 102.659, 126.531**, and if you desaturate by 10%, it is **87, 93.764, 124.748**.

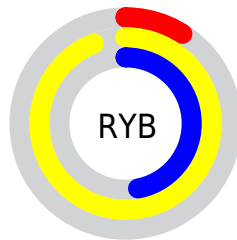
Distribution



Red (56%)

Green (94%)

Blue (9%)



Red (9%)

Yellow (94%)

Blue (47%)

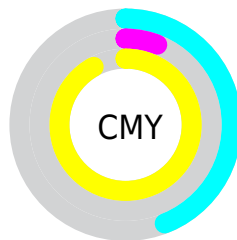


Cyan (41%)

Magenta (0%)

Yellow (91%)

Black (6%)



Cyan (44%)

Magenta (6%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 99.454, 125.488 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 86, 99.454, 125.488 by changing the saturation by 10% instead.

 86, 99.454,
125.488

 86, 99.454,
125.488

 100, 99.454,
125.488

 76, 99.454,
125.488

 66, 99.454,
125.488

 56, 99.454,
125.488

 46, 99.454,
125.488

 36, 99.454,
125.488

 26, 99.454,
125.488

 16, 99.454,

125.488

■ 6, 99.454, 125.488

■ 0, 99.454, 125.488

■ 86, 99.454,
125.488

■ 86, 99.454,
125.488

■ 86, 102.659,
126.531

■ 87, 93.764,
124.748

■ 87, 85.714,
124.476

■ 88, 75.803,
124.553

■ 89, 64.598,
124.852

■ 90, 52.558,

125.278

■ 91, 40.015,
125.764

■ 92, 27.195,
126.267

■ 93, 14.253,
126.764

■ 95, 1.296, 127.314

Harmonies

Complementary

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



86, 99.454, 125.488



39, 116.223, 311.127

Rectangle

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



86, 99.454, 125.488



86, 99.454, 175.488



86, 99.454, 305.488



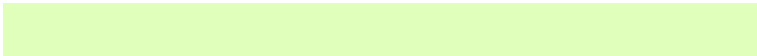
86, 99.454, 355.488

Sweetspot

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



86, 99.454, 125.489



96, 36.678, 125.960



63, 79.010, 57.020



51, 24.681, 125.788



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 99.454, 125.489



90, 107.602, 126.586



83, 111.482, 135.905



50, 7.351, 126.839



67, 83.821, 126.252



21, 34.605, 125.171

Inverse Universe

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



39, 116.223, 311.127



39, 126.438, 310.584



55, 108.747, 325.717



46, 7.463, 307.713



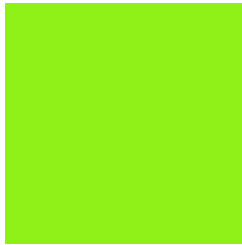
27, 98.559, 310.807



4, 39.427, 310.455

Previews

White Background



This preview shows how the CIE LCh color 86, 99.454, 125.488 looks on a white background.

Color Contrast Check

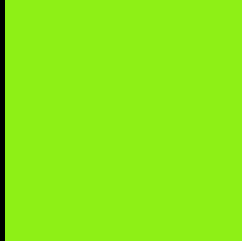
Large Text (above 18pt) WCAG AA × Fail

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 86, 99.454, 125.488 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 86, 99.454, 125.488

Background



This preview shows how black text looks on a background with the CIELCh color 86, 99.454, 125.488.



This preview shows how white text looks on a background with the CIELCh color 86, 99.454, 125.488.

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
86, 99.454, 125.488

Protanopia
85, 85.521, 94.936

Deuteranopia
85, 47.194, 80.543



Tritanopia
86, 19.463, 227.638

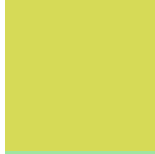
Trichromacy



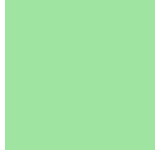
Original Color
86, 99.454, 125.488



Protanomaly
85, 87.170, 107.974



Deuteranomaly
85, 64.703, 106.109

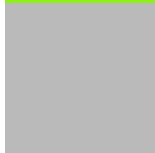


Tritanomaly
85, 43.874, 143.035

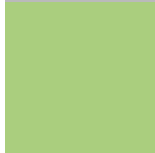
Monochromacy



Original Color
86, 99.454, 125.488



Achromatopsia
76, 0.009, 296.813



Achromatomaly
79, 44.099, 125.430

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 99.454, 125.488 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(142, 240, 22)` looks like.

```
.text, #text, p{  
    color:rgb(142, 240, 22)  
}
```

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(142, 240, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 240, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 99.454, 125.488 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(142, 240, 22) }
```

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

```
.border{ border-color:rgb(142, 240, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 240, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 240, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 240, 22);  
box-shadow:4px 4px 4px 4px rgb(142, 240,  
22) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 99.454, 125.488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 240, 22) }
```

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

```
.background{ background-color: rgb(142,  
240, 22) }
```

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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