

Converting Colors

CIELCh(82, 95.364, 125.743)

Have a look what the booklet for
CIELCh(82, 95.364, 125.743)
contains.

CIELCh(82, 95.566, 125.884)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(82, 95.566, 125.884)

Conversions

Conversions Part 1

Format	Color
Hex	85E416
RGB	133, 228, 22
RGB Percent	52%, 89%, 9%
CMY	0.4799, 0.1073, 0.9127
CMYK	0.42, 0.00, 0.90, 0.11
HSL	88°, 82%, 49%
HSV	88°, 90%, 89%
XYZ	37.4014, 60.2982, 10.4392
YIQ	176.1110, 9.5060, -84.2060

Conversions

Conversions Part 2

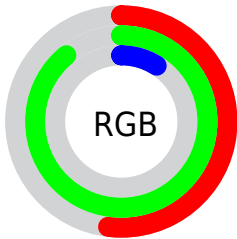
Format	Color
RYB	22, 228, 117
Decimal	8774678
CIELab	82.00, -56.02, 77.43
CIElCh	82, 95.566, 125.884
Yxy	60.2982, 0.3459, 0.5576
Android (android.graphics.Color)	4286964758 (0xFF85E416)
YUV	176.1110, -75.9767, -37.8083
Hunter-Lab	77.6519, -49.9154, 46.3857

Details

The CIELCh color **82, 95.566, 125.884** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **38, 110.829, 311.469**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 80.617, 122.039**, and **62, 83.346, 130.555** is the 20% darker color. If you saturate the color by 10%, you get **82, 99.109, 126.978**, and if you desaturate by 10%, it is **83, 89.814, 125.201**.

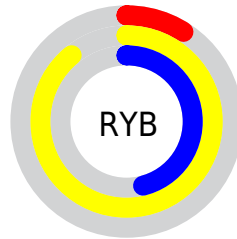
Distribution



Red (52%)

Green (89%)

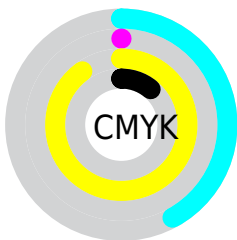
Blue (9%)



Red (9%)

Yellow (89%)

Blue (46%)

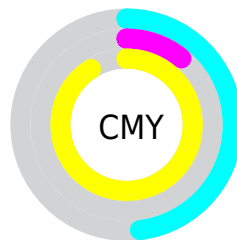


Cyan (42%)

Magenta (0%)

Yellow (90%)

Black (11%)



Cyan (48%)


Magenta (11%)


Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 95.566, 125.884 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 82, 95.566, 125.884 by changing the saturation by 10% instead.


 82, 95.566,
125.884


 82, 95.566,
125.884


 100, 95.566,
125.884

 72, 95.566,
125.884

 62, 95.566,
125.884

 52, 95.566,
125.884

 42, 95.566,
125.884

 32, 95.566,
125.884

 22, 95.566,
125.884

 12, 95.566,

125.884

■ 2, 95.566, 125.884

■ 0, 95.566, 125.884

■ 82, 95.566,
125.884

■ 82, 95.566,
125.884

■ 82, 99.109,
126.978

■ 83, 89.814,
125.201

■ 83, 81.843,
124.973

■ 84, 72.149,
125.077

■ 85, 61.265,
125.392

■ 86, 49.620,

125.823

■ 87, 37.517,
126.307

■ 88, 25.168,
126.805

■ 89, 12.716,
127.294

■ 90, 0.261, 128.190

Harmonies

Complementary

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



82, 95.566, 125.884



38, 110.829, 311.469

Rectangle

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



82, 95.566, 125.884



82, 95.566, 175.884



82, 95.566, 305.884



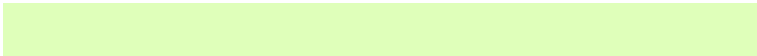
82, 95.566, 355.884

Sweetspot

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



82, 95.566, 125.885



96, 36.796, 126.459



61, 74.763, 58.566



51, 24.762, 126.288



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 95.566, 125.885



90, 108.095, 127.082



79, 106.960, 136.057



48, 7.114, 127.331



65, 82.430, 126.714



18, 31.928, 126.224

Inverse Universe

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



38, 110.829, 311.469



40, 126.070, 310.862



53, 104.146, 326.332



45, 7.219, 308.187



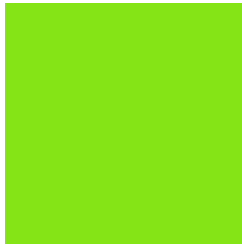
27, 96.220, 311.110



4, 35.397, 309.711

Previews

White Background



This preview shows how the CIELCh color 82, 95.566, 125.884 looks on a white background.

Color Contrast Check

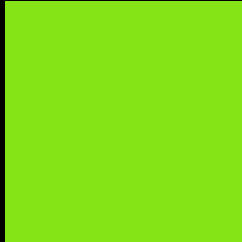
Large Text (above 18pt) WCAG AA × Fail

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 82, 95.566, 125.884 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 82, 95.566, 125.884

Background



This preview shows how black text looks on a background with the CIELCh color 82, 95.566, 125.884.

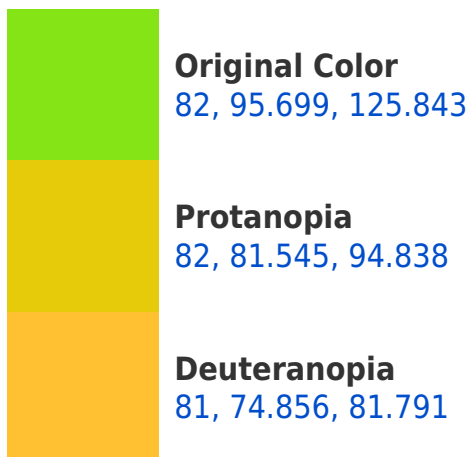


This preview shows how white text looks on a background with the CIELCh color 82, 95.566, 125.884.

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





Tritanopia
82, 19.091, 226.722

Trichromacy



Original Color
82, 95.699, 125.843



Protanomaly
81, 83.468, 108.284



Deuteranomaly
80, 76.091, 101.727



Tritanomaly
81, 42.337, 144.153

Monochromacy



Original Color
82, 95.699, 125.843



Achromatopsia
72, 0.009, 296.813



Achromatomaly
75, 41.959, 126.069

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 95.566, 125.884 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(133, 228, 22)` looks like.

```
.text, #text, p{  
    color:rgb(133, 228, 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(133, 228, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 228, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 95.566, 125.884 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(133, 228, 22) }
```

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

```
.border{ border-color:rgb(133, 228, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 228, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 228, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 228, 22);  
box-shadow:4px 4px 4px 4px rgb(133, 228,  
22) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 95.566, 125.884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 228, 22) }
```

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

```
.background{ background-color: rgb(133,  
228, 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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