

Converting Colors

CIELCh(81, 87.880, 119.759)

Have a look what the booklet for
CIELCh(81, 87.880, 119.759)
contains.

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Color

CIELCh(81, 88.090, 119.891)

Conversions

Conversions Part 1

Format	Color
Hex	9EDC1B
RGB	158, 220, 27
RGB Percent	62%, 86%, 11%
CMY	0.3808, 0.1376, 0.8948
CMYK	0.28, 0.00, 0.88, 0.14
HSL	79°, 78%, 48%
HSV	79°, 88%, 86%
XYZ	39.8430, 58.4711, 10.2123
YIQ	179.4600, 25.0010, -73.1670

Conversions

Conversions Part 2

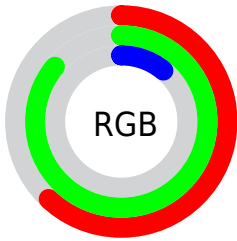
Format	Color
R_{YB}	27, 220, 89
Decimal	10411035
CIE _{Lab}	81.00, -43.90, 76.37
CIE _{LCh}	81, 88.090, 119.891
Yxy	58.4711, 0.3671, 0.5388
Android (android.graphics.Color)	4288601115 (0xFF9EDC1B)
YUV	179.4600, -75.1628, -18.8204
Hunter-Lab	76.4664, -40.8082, 45.6081

Details

The CIELCh color **81, 88.090, 119.891** is a dark color, and the websafe version is hex **99CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **34, 108.687, 308.706**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 77.675, 115.755**, and **61, 75.963, 123.960** is the 20% darker color. If you saturate the color by 10%, you get **81, 91.494, 120.829**, and if you desaturate by 10%, it is **81, 82.421, 119.418**.

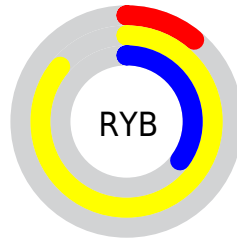
Distribution



Red (62%)

Green (86%)

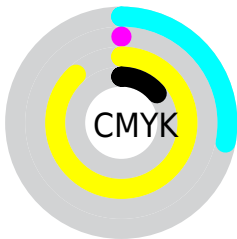
Blue (11%)



Red (11%)

Yellow (86%)

Blue (35%)

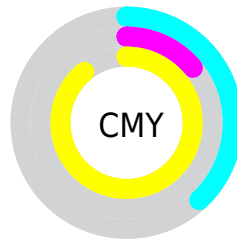


Cyan (28%)

Magenta (0%)

Yellow (88%)

Black (14%)



Cyan (38%)


Magenta (14%)


Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 88.090, 119.891 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 81, 88.090, 119.891 by changing the saturation by 10% instead.


 81, 88.090,
119.891


 81, 88.090,
119.891


 100, 88.090,
119.891


 71, 88.090,
119.891


 61, 88.090,
119.891

 51, 88.090,
119.891

 41, 88.090,
119.891

 31, 88.090,
119.891

 21, 88.090,
119.891

 11, 88.090,

119.891

■ 1, 88.090, 119.891

■ 0, 88.090, 119.891

■ 81, 88.090,
119.891

■ 81, 88.090,
119.891

■ 81, 91.494,
120.829

■ 81, 82.421,
119.418

■ 80, 92.105,
121.058

■ 82, 74.683,
119.348

■ 83, 65.391,
119.565

■ 83, 55.042,
119.967

■ 84, 44.021,

120.473

■ 85, 32.594,
121.030

■ 86, 20.939,
121.604

■ 87, 9.178, 122.174

■ 88, 2.606, 302.690

Harmonies

Complementary

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



81, 88.090, 119.891



34, 108.687, 308.706

Rectangle

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



81, 88.090, 119.891



81, 88.090, 169.891



81, 88.090, 299.891



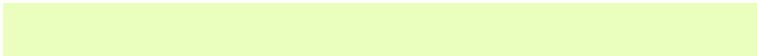
81, 88.090, 349.891

Sweetspot

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



81, 88.090, 119.893



97, 34.404, 121.121



54, 75.305, 49.382



51, 23.281, 120.922



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 88.090, 119.893



92, 103.090, 121.183



77, 101.023, 134.610



46, 6.669, 122.081



65, 77.015, 120.817



17, 27.763, 121.107

Inverse Universe

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



34, 108.687, 308.706



36, 129.684, 308.428



47, 101.347, 321.712



42, 6.792, 303.131



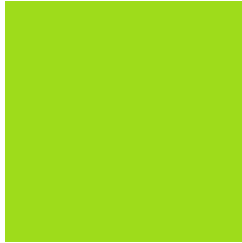
23, 96.837, 308.656



3, 30.259, 303.043

Previews

White Background



This preview shows how the CIELCh color 81, 88.090, 119.891 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 81, 88.090, 119.891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

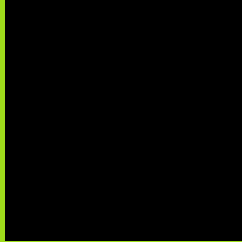
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 88.090, 119.891

Background



This preview shows how black text looks on a background with the CIELCh color 81, 88.090, 119.891.



This preview shows how white text looks on a background with the CIELCh color 81, 88.090, 119.891.

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
81, 12.322, 242.763

Trichromacy



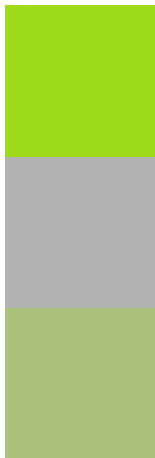
Original Color
81, 88.090, 119.891

Protanomaly
81, 80.803, 105.206

Deuteranomaly
80, 75.114, 97.681

Tritanomaly
80, 34.958, 132.815

Monochromacy



Original Color
81, 88.090, 119.891

Achromatopsia
73, 0.009, 296.813

Achromatomaly
75, 38.073, 120.879

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 88.090, 119.891 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(158, 220, 27)` looks like.

```
.text, #text, p{  
    color:rgb(158, 220, 27)  
}
```

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(158, 220, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 220, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 88.090, 119.891 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(158, 220, 27) }
```

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

```
.border{ border-color:rgb(158, 220, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 220, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 220, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 220, 27);  
box-shadow:4px 4px 4px 4px rgb(158, 220,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 88.090, 119.891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 220, 27) }
```

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

```
.background{ background-color: rgb(158,  
220, 27) }
```

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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