

Converting Colors

CIELCh(81, 88.782, 120.477)

Have a look what the booklet for
CIELCh(81, 88.782, 120.477)
contains.

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Color

CIELCh(81, 88.636, 120.540)

Conversions

Conversions Part 1

Format	Color
Hex	9BDC1B
RGB	155, 220, 27
RGB Percent	61%, 86%, 11%
CMY	0.3906, 0.1357, 0.8953
CMYK	0.29, 0.00, 0.88, 0.14
HSL	80°, 78%, 48%
HSV	80°, 88%, 86%
XYZ	39.4801, 58.4711, 10.2231
YIQ	178.5630, 23.2130, -73.8030

Conversions

Conversions Part 2

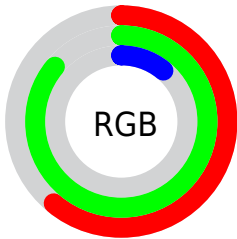
Format	Color
RYB	27, 220, 92
Decimal	10214427
CIELab	81.00, -45.04, 76.34
CIELCh	81, 88.636, 120.540
Yxy	58.4711, 0.3650, 0.5405
Android (android.graphics.Color)	4288404507 (0xFF9BDC1B)
YUV	178.5630, -74.7206, -20.6648
Hunter-Lab	76.4664, -41.6555, 45.5998

Details

The CIELCh color **81, 88.636, 120.540** 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, 108.706, 308.959**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 77.941, 116.596**, and **61, 76.419, 124.697** is the 20% darker color. If you saturate the color by 10%, you get **81, 92.085, 121.505**, and if you desaturate by 10%, it is **81, 82.925, 120.045**.

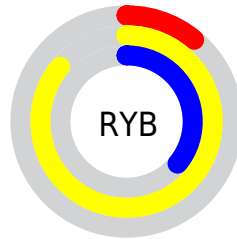
Distribution



Red (61%)

Green (86%)

Blue (11%)



Red (11%)

Yellow (86%)

Blue (36%)

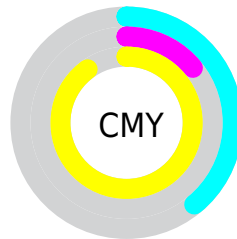


Cyan (29%)

Magenta (0%)

Yellow (88%)

Black (14%)



Cyan (39%)


Magenta (14%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 88.636, 120.540 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, 88.636, 120.540 by changing the saturation by 10% instead.


 81, 88.636,
120.540


 81, 88.636,
120.540


 100, 88.636,
120.540


 71, 88.636,
120.540


 61, 88.636,
120.540

 51, 88.636,
120.540

 41, 88.636,
120.540

 31, 88.636,
120.540

 21, 88.636,
120.540

 11, 88.636,

120.540

■ 1, 88.636, 120.540

■ 0, 88.636, 120.540

■ 81, 88.636,
120.540

■ 81, 88.636,
120.540

■ 81, 92.085,
121.505

■ 81, 82.925,
120.045

■ 80, 92.684,
121.729

■ 82, 75.143,
119.957

■ 83, 65.801,
120.161

■ 83, 55.400,
120.551

■ 84, 44.325,

121.047

■ 85, 32.843,
121.594

■ 86, 21.135,
122.157

■ 87, 9.322, 122.715

■ 88, 2.511, 303.215

Harmonies

Complementary

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



81, 88.636, 120.540



34, 108.706, 308.959

Rectangle

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



81, 88.636, 120.540



81, 88.636, 170.540



81, 88.636, 300.540



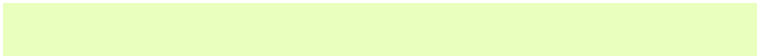
81, 88.636, 350.540

Sweetspot

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



81, 88.636, 120.541



97, 34.495, 121.687



55, 74.896, 50.452



51, 23.344, 121.492



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, 88.636, 120.541



92, 103.572, 121.855



78, 101.556, 134.852



46, 6.685, 122.629



65, 77.363, 121.482



17, 27.873, 121.763

Inverse Universe

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



34, 108.706, 308.959



36, 129.349, 308.629



48, 101.418, 322.271



43, 6.806, 303.654



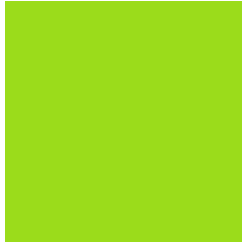
23, 96.584, 308.863



3, 30.314, 303.485

Previews

White Background



This preview shows how the CIELCh color 81, 88.636, 120.540 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 CIELCh color 81, 88.636, 120.540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

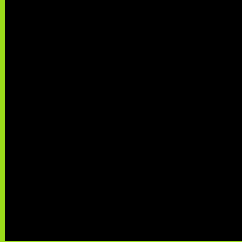
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 88.636, 120.540

Background



This preview shows how black text looks on a background with the CIELCh color 81, 88.636, 120.540.



This preview shows how white text looks on a background with the CIELCh color 81, 88.636, 120.540.

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](#).

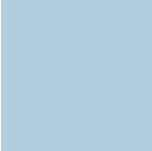
Dichromacy



Original Color
81, 88.474, 120.583

Protanopia
81, 79.669, 95.066

Deuteranopia
81, 74.611, 81.988



Tritanopia
81, 12.798, 240.730

Trichromacy



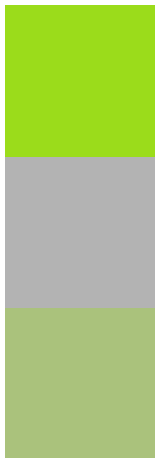
Original Color
81, 88.474, 120.583

Protanomaly
80, 80.825, 105.512

Deuteranomaly
80, 75.065, 98.016

Tritanomaly
80, 35.912, 134.007

Monochromacy



Original Color
81, 88.474, 120.583

Achromatopsia
73, 0.009, 296.813

Achromatomaly
75, 38.180, 121.449

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 88.636, 120.540 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(155, 220, 27)` looks like.

```
.text, #text, p{  
    color:rgb(155, 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(155, 220, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 220, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 88.636, 120.540 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(155, 220, 27) }
```

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

```
.border{ border-color:rgb(155, 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(155, 220, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 220, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 220, 27);  
box-shadow:4px 4px 4px 4px rgb(155, 220,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 88.636, 120.540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 220, 27) }
```

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

```
.background{ background-color: rgb(155,  
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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