

Converting Colors

CIELCh(81, 107.789, 133.885)

Have a look what the booklet for
CIELCh(81, 107.789, 133.885)
contains.

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Color

CIELCh(81, 107.639, 133.897)

Conversions

Conversions Part 1

Format	Color
Hex	40E705
RGB	64, 231, 5
RGB Percent	25%, 91%, 2%
CMY	0.7505, 0.0925, 0.9789
CMYK	0.73, 0.00, 0.98, 0.09
HSL	105°, 95%, 46%
HSV	105°, 98%, 91%
XYZ	30.8103, 58.4711, 9.8159
YIQ	155.3030, -26.9860, -105.6900

Conversions

Conversions Part 2

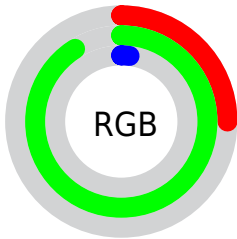
Format	Color
R _Y B	5, 231, 172
Decimal	4253445
CIE Lab	81.00, -74.63, 77.56
CIE LCh	81, 107.639, 133.897
Yxy	58.4711, 0.3109, 0.5900
Android (android.graphics.Color)	4282443525 (0xFF40E705)
YUV	155.3030, -74.0994, -80.0727
Hunter-Lab	76.4664, -61.8938, 45.9155

Details

The CIELCh color **81, 107.639, 133.897** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **45, 109.856, 318.751**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 90.827, 132.908**, and **62, 89.933, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **81, 108.399, 134.027**, and if you desaturate by 10%, it is **81, 103.416, 133.355**.

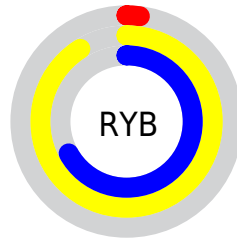
Distribution



Red (25%)

Green (91%)

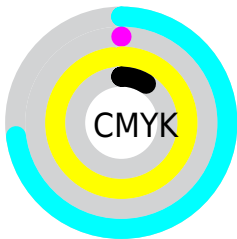
Blue (2%)



Red (2%)

Yellow (91%)

Blue (67%)

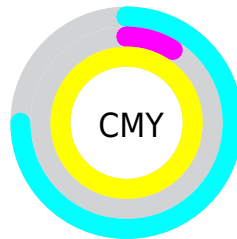


Cyan (73%)

Magenta (0%)

Yellow (98%)

Black (9%)



Cyan (75%)


Magenta (9%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 107.639, 133.897 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, 107.639, 133.897 by changing the saturation by 10% instead.


 81, 107.639,
133.897


 81, 107.639,
133.897


 100, 107.639,
133.897


 71, 107.639,
133.897


 61, 107.639,
133.897

 51, 107.639,
133.897

 41, 107.639,
133.897

 31, 107.639,
133.897

 21, 107.639,
133.897

 11, 107.639,

133.897

■ 1, 107.639,
133.897

■ 0, 107.639,
133.897

■ 81, 107.639,
133.897

■ 81, 107.639,
133.897

■ 81, 108.399,
134.027

■ 81, 103.416,
133.355

■ 82, 96.554,
133.227

■ 83, 87.330,
133.460

■ 84, 76.322,
133.923

■ 85, 64.096,
134.499

■ 86, 51.099,
135.106

■ 87, 37.667,
135.696

■ 89, 24.040,
136.243

■ 90, 10.394,
136.743

Harmonies

Complementary

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



81, 107.639, 133.897



45, 109.856, 318.751

Rectangle

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



81, 107.639, 133.897



81, 107.639, 183.897



81, 107.639, 313.897



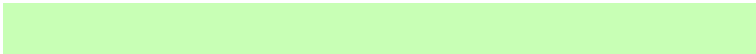
81, 107.639, 3.897

Sweetspot

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



81, 107.638, 133.898



95, 42.694, 135.611



74, 76.980, 82.013



50, 29.260, 135.360



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, 107.638, 133.898



88, 116.742, 134.086



81, 102.288, 139.420



47, 7.649, 136.656



64, 89.044, 133.837



18, 34.607, 134.275

Inverse Universe

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



45, 109.856, 318.751



50, 118.954, 318.566



52, 89.456, 340.156



45, 7.703, 317.444



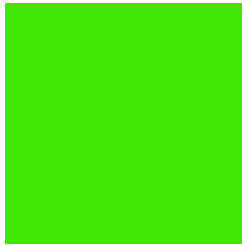
34, 90.930, 318.756



6, 36.917, 319.591

Previews

White Background



This preview shows how the CIE LCh color 81, 107.639, 133.897 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, 107.639, 133.897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

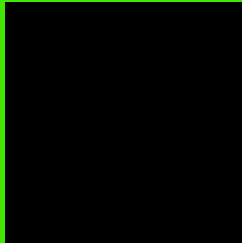
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 107.639, 133.897

Background



This preview shows how black text looks on a background with the CIELCh color 81, 107.639, 133.897.



This preview shows how white text looks on a background with the CIELCh color 81, 107.639, 133.897.

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, 107.471, 133.853

Protanopia

80, 81.518, 95.044

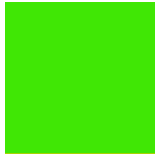
Deuteranopia

80, 73.684, 81.762



Tritanopia
81, 30.677, 214.805

Trichromacy



Original Color
81, 107.471, 133.853



Protanomaly
79, 86.350, 115.570

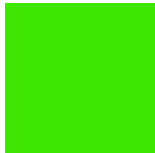


Deuteranomaly
78, 77.775, 109.939



Tritanomaly
80, 56.571, 154.233

Monochromacy



Original Color
81, 107.471, 133.853



Achromatopsia
64, 0.008, 296.813



Achromatomaly
69, 49.995, 134.758

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 107.639, 133.897 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(64, 231, 5)` looks like.

```
.text, #text, p{  
    color:rgb(64, 231, 5)  
}
```

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(64, 231, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 231, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 107.639, 133.897 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(64, 231, 5) }
```

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

```
.border{ border-color:rgb(64, 231, 5) }
```

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

Here you see how a box with a 4 pixel rgb(64, 231, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 231, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 231, 5);  
box-shadow:4px 4px 4px 4px rgb(64, 231, 5)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 81, 107.639, 133.897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 231, 5) }
```

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

```
.background{ background-color: rgb(64, 231,  
5) }
```

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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