

Converting Colors

CIELCh(81, 107.158, 132.936)

Have a look what the booklet for
CIELCh(81, 107.158, 132.936)
contains.

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Color

CIELCh(81, 106.921, 133.035)

Conversions

Conversions Part 1	
Format	Color
Hex	49E700
RGB	73, 231, 0
RGB Percent	29%, 91%, 0%
CMY	0.7146, 0.0947, 1.0000
CMYK	0.68, 0.00, 1.00, 0.09
HSL	101°, 100%, 45%
HSV	101°, 100%, 91%
XYZ	31.2607, 58.4711, 9.6237
YIQ	157.4240, -20.0170, -105.3370

Conversions

Conversions Part 2

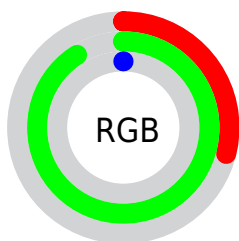
Format	Color
RYB	0, 231, 158
Decimal	4843264
CIELab	81.00, -72.97, 78.15
CIELCh	81, 106.921, 133.035
Yxy	58.4711, 0.3146, 0.5885
Android (android.graphics.Color)	4283033344 (0xFF49E700)
YUV	157.4240, -77.6100, -74.0398
Hunter-Lab	76.4664, -60.8426, 46.0645

Details

The CIELCh color **81, 106.921, 133.035** 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 **43, 111.481, 316.746**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 90.070, 131.667**, and **62, 89.933, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **81, 106.885, 133.049**, and if you desaturate by 10%, it is **81, 102.997, 132.293**.

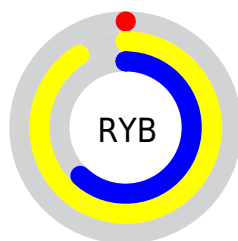
Distribution



Red (29%)

Green (91%)

Blue (0%)



Red (0%)

Yellow (91%)

Blue (62%)

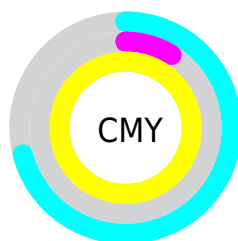


Cyan (68%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (71%)


Magenta (9%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 106.921, 133.035 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, 106.921, 133.035 by changing the saturation by 10% instead.


 81, 106.921,
133.035


 81, 106.921,
133.035


 100, 106.921,
133.035


 71, 106.921,
133.035


 61, 106.921,
133.035

 51, 106.921,
133.035


 41, 106.921,
133.035


 31, 106.921,
133.035


 21, 106.921,
133.035


 11, 106.921,


133.035


 1, 106.921,
133.035


 0, 106.921,
133.035


 81, 106.921,
133.035

 81, 106.921,
133.035

 81, 106.885,
133.049

 81, 102.997,
132.293

 82, 96.721,
131.915

 83, 88.056,
131.946

 83, 77.541,
132.260

84, 65.744,
132.734

86, 53.127,
133.274

87, 40.032,
133.822

88, 26.702,
134.346

90, 13.313,
134.832

Harmonies

Complementary

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



81, 106.921, 133.035



43, 111.481, 316.746

Rectangle

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



81, 106.921, 133.035



81, 106.921, 183.035



81, 106.921, 313.035



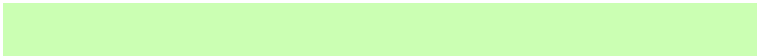
81, 106.921, 3.035

Sweetspot

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



81, 106.885, 133.049



95, 43.394, 133.813



70, 76.623, 76.789



50, 29.563, 133.582



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, 106.885, 133.049



89, 115.338, 133.119



80, 105.897, 138.001



47, 7.523, 134.858



64, 87.942, 132.830



18, 34.094, 132.992

Inverse Universe

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



43, 111.481, 316.746



47, 120.235, 316.692



53, 92.756, 337.313



45, 7.588, 315.627



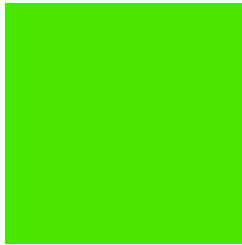
33, 91.876, 316.910



5, 36.671, 317.589

Previews

White Background



This preview shows how the CIELCh color 81, 106.921, 133.035 looks on a white background.

Color Contrast Check

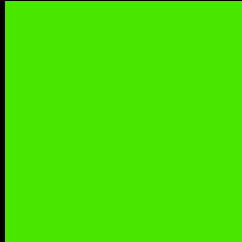
Large Text (above 18pt) WCAG AA × Fail

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, 106.921, 133.035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

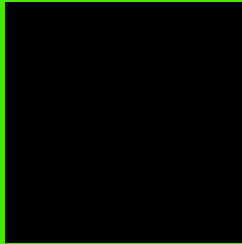
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 106.921, 133.035

Background



This preview shows how black text looks on a background with the CIELCh color 81, 106.921, 133.035.



This preview shows how white text looks on a background with the CIELCh color 81, 106.921, 133.035.

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

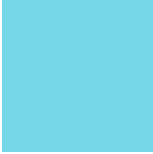
81, 106.921, 133.035

Protanopia

80, 81.518, 95.044

Deuteranopia

80, 73.988, 81.820

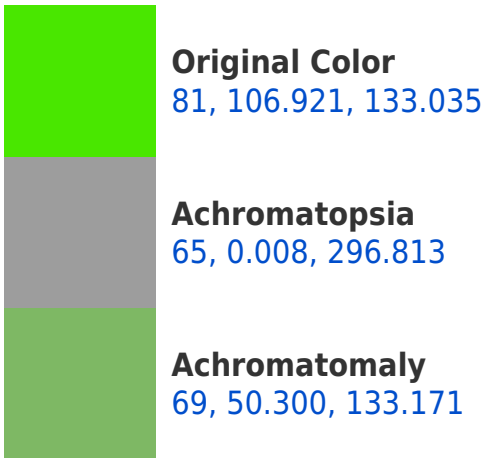


Tritanopia
81, 29.631, 215.497

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 106.921, 133.035 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(73, 231, 0)` looks like.

```
.text, #text, p{  
    color:rgb(73, 231, 0)  
}
```

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(73, 231, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 231, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 106.921, 133.035 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(73, 231, 0) }
```

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

```
.border{ border-color:rgb(73, 231, 0) }
```

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

Here you see how a box with a 4 pixel rgb(73, 231, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 231, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 231, 0);  
box-shadow:4px 4px 4px 4px rgb(73, 231, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 81, 106.921, 133.035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:rgb(73, 231, 0) }
```

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

```
.background{ background-color:rgb(73, 231,  
0) }
```

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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