

Converting Colors

CIELCh(81, 106.932, 137.395)

Have a look what the booklet for
CIELCh(81, 106.932, 137.395)
contains.

CIELCh(81, 106.951, 137.417)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(81, 106.951, 137.417)

Conversions

Conversions Part 1

Format	Color
Hex	12E927
RGB	18, 233, 39
RGB Percent	7%, 91%, 15%
CMY	0.9280, 0.0868, 0.8478
CMYK	0.92, 0.00, 0.83, 0.09
HSL	126°, 85%, 49%
HSV	126°, 92%, 91%
XYZ	29.7162, 58.4711, 11.6222
YIQ	146.5990, -65.8660, -105.9140

Conversions

Conversions Part 2

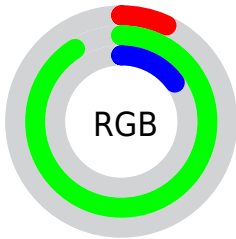
Format	Color
RYB	18, 214, 233
Decimal	1239335
CIELab	81.00, -78.75, 72.37
CIELCh	81, 106.951, 137.417
Yxy	58.4711, 0.2977, 0.5858
Android (android.graphics.Color)	4279429415 (0xFF12E927)
YUV	146.5990, -53.0463, -112.7813
Hunter-Lab	76.4664, -64.4479, 44.5150

Details

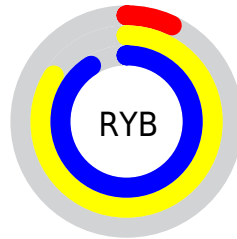
The CIELCh color **81, 106.951, 137.417** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **55, 99.042, 332.136**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 89.057, 137.667**, and **62, 90.315, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **81, 109.960, 136.708**, and if you desaturate by 10%, it is **81, 100.967, 138.613**.

Distribution



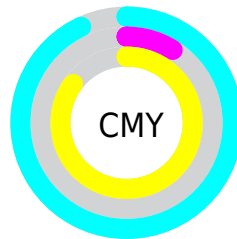
- Red (7%)
- Green (91%)
- Blue (15%)



- Red (7%)
- Yellow (84%)
- Blue (91%)



- Cyan (92%)
- Magenta (0%)
- Yellow (83%)
- Black (9%)





- Cyan (93%)
- Magenta (9%)
- Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 106.951, 137.417 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, 106.951, 137.417 by changing the saturation by 10% instead.


 81, 106.951,
137.417


 81, 106.951,
137.417


 100, 106.951,
137.417


 71, 106.951,
137.417


 61, 106.951,
137.417

 51, 106.951,
137.417

 41, 106.951,
137.417

 31, 106.951,
137.417

 21, 106.951,
137.417

 11, 106.951,

137.417

■ 1, 106.951,
137.417

■ 0, 106.951,
137.417

■ 81, 106.951,
137.417

■ 81, 106.951,
137.417

■ 81, 109.960,
136.708

■ 81, 100.967,
138.613

■ 82, 92.682,
139.953

■ 83, 82.483,
141.307

■ 83, 70.799,
142.586

■ 85, 58.042,
143.741

■ 86, 44.585,
144.755

■ 88, 30.746,
145.632

■ 90, 16.783,
146.389

■ 92, 2.897, 147.117

Harmonies

Complementary

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



81, 106.951, 137.417



55, 99.042, 332.136

Rectangle

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



81, 106.951, 137.417



81, 106.951, 187.417



81, 106.951, 317.417



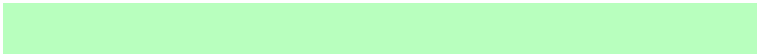
81, 106.951, 7.417

Sweetspot

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



81, 106.951, 137.418



94, 41.901, 145.119



88, 89.297, 107.833



49, 28.887, 144.720



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, 106.951, 137.418



88, 117.914, 136.661



82, 73.082, 155.180



48, 7.907, 146.573



64, 90.721, 136.869



18, 36.430, 139.979

Inverse Universe

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



55, 99.042, 332.136



59, 107.083, 332.523



50, 77.379, 7.024



46, 7.923, 327.654



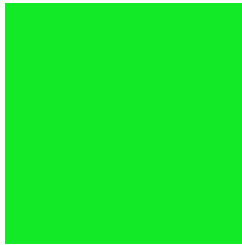
42, 82.935, 332.424



9, 35.904, 331.756

Previews

White Background



This preview shows how the CIE LCh color 81, 106.951, 137.417 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, 106.951, 137.417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

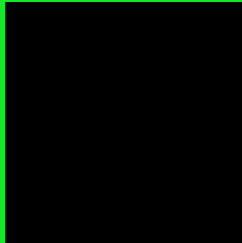
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 106.951, 137.417

Background



This preview shows how black text looks on a background with the CIELCh color 81, 106.951, 137.417.

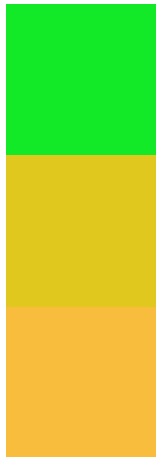


This preview shows how white text looks on a background with the CIELCh color 81, 106.951, 137.417.

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, 106.983, 137.437

Protanopia

80, 77.520, 95.335

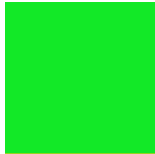
Deuteranopia

80, 69.326, 81.588



Tritanopia
81, 33.972, 212.867

Trichromacy



Original Color
81, 106.983, 137.437



Protanomaly
78, 84.706, 121.016

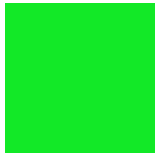


Deuteranomaly
77, 74.184, 116.844



Tritanomaly
80, 56.798, 161.557

Monochromacy



Original Color
81, 106.983, 137.437



Achromatopsia
61, 0.008, 296.813



Achromatomaly
66, 48.255, 143.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 106.951, 137.417 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(18, 233, 39)` looks like.

```
.text, #text, p{  
    color:rgb(18, 233, 39)  
}
```

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(18, 233, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 233, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 106.951, 137.417 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(18, 233, 39) }
```

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

```
.border{ border-color:rgb(18, 233, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 233, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 233, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 233, 39);  
box-shadow:4px 4px 4px 4px rgb(18, 233,  
39) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 106.951, 137.417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 233, 39) }
```

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

```
.background{ background-color: rgb(18, 233,  
39) }
```

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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