

Converting Colors

CIELCh(81, 112.216, 135.862)

Have a look what the booklet for
CIELCh(81, 112.216, 135.862)
contains.

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Color

CIELCh(81, 111.814, 135.976)

Conversions

Conversions Part 1

Format	Color
Hex	05E901
RGB	5, 233, 1
RGB Percent	2%, 91%, 0%
CMY	0.9811, 0.0851, 0.9963
CMYK	0.98, 0.00, 1.00, 0.09
HSL	119°, 99%, 46%
HSV	119°, 100%, 91%
XYZ	29.2844, 58.4711, 9.7690
YIQ	138.3800, -61.4160, -120.4880

Conversions

Conversions Part 2

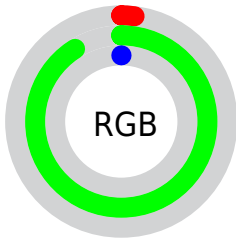
Format	Color
R _Y B	1, 233, 229
Decimal	387329
CIE Lab	81.00, -80.40, 77.71
CIE LCh	81, 111.814, 135.976
Yxy	58.4711, 0.3003, 0.5996
Android (android.graphics.Color)	4278577409 (0xFF05E901)
YUV	138.3800, -67.7283, -116.9743
Hunter-Lab	76.4664, -65.4560, 45.9518

Details

The CIELCh color **81, 111.814, 135.976** 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, 108.048, 327.565**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 94.344, 135.693**, and **62, 90.315, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **81, 111.900, 135.964**, and if you desaturate by 10%, it is **81, 109.090, 136.298**.

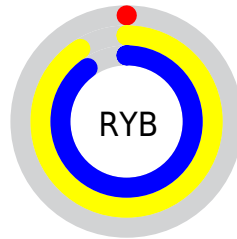
Distribution



Red (2%)

Green (91%)

Blue (0%)



Red (0%)

Yellow (91%)

Blue (90%)

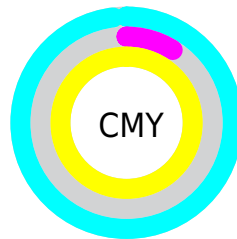


Cyan (98%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (98%)


Magenta (9%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 111.814, 135.976 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, 111.814, 135.976 by changing the saturation by 10% instead.


 81, 111.814,
135.976


 81, 111.814,
135.976


 100, 111.814,
135.976


 71, 111.814,
135.976


 61, 111.814,
135.976

 51, 111.814,
135.976

 41, 111.814,
135.976

 31, 111.814,
135.976

 21, 111.814,
135.976

 11, 111.814,

135.976

■ 1, 111.814,
135.976

■ 0, 111.814,
135.976

■ 81, 111.814,
135.976

■ 81, 111.814,
135.976

■ 81, 111.900,
135.964

■ 81, 109.090,
136.298

■ 81, 103.537,
136.943

■ 82, 95.109,
137.876

■ 83, 84.337,
138.951

■ 84, 71.832,
140.040

■ 85, 58.146,
141.061

■ 87, 43.737,
141.975

■ 88, 28.968,
142.773

■ 90, 14.118,
143.464

Harmonies

Complementary

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



81, 111.814, 135.976



55, 108.048, 327.565

Rectangle

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



81, 111.814, 135.976



81, 111.814, 185.976



81, 111.814, 315.976



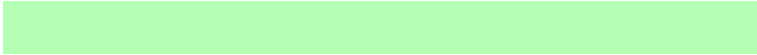
81, 111.814, 5.976

Sweetspot

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



81, 111.813, 135.977



94, 47.649, 141.928



89, 89.397, 101.793



49, 32.443, 141.552



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, 111.813, 135.977



88, 119.702, 135.970



82, 85.128, 148.043



48, 8.399, 143.472



64, 92.530, 135.945



18, 38.088, 138.003

Inverse Universe

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



55, 108.048, 327.565



60, 115.651, 327.562



50, 79.320, 0.940



46, 8.414, 324.489



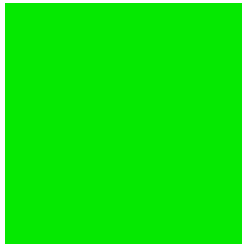
42, 89.427, 327.576



9, 38.290, 327.672

Previews

White Background



This preview shows how the CIELCh color 81, 111.814, 135.976 looks on a white background.

Color Contrast Check

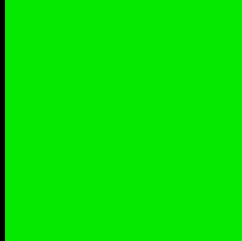
Large Text (above 18pt) WCAG AA × Fail

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, 111.814, 135.976 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

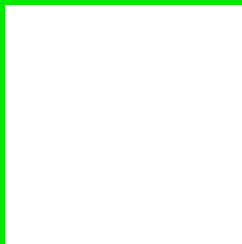
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 111.814, 135.976

Background



This preview shows how black text looks on a background with the CIELCh color 81, 111.814, 135.976.

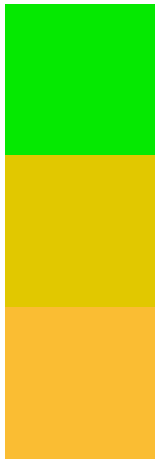


This preview shows how white text looks on a background with the CIELCh color 81, 111.814, 135.976.

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

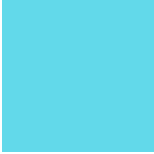
81, 111.702, 135.976

Protanopia

80, 81.518, 95.044

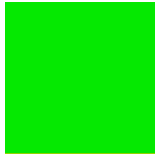
Deuteranopia

80, 73.186, 82.015



Tritanopia
81, 33.972, 212.867

Trichromacy



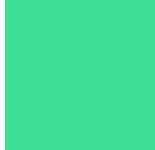
Original Color
81, 111.702, 135.976



Protanomaly
78, 89.440, 120.781

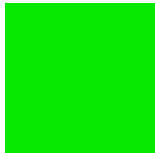


Deuteranomaly
77, 80.235, 116.621



Tritanomaly
80, 62.629, 156.729

Monochromacy



Original Color
81, 111.702, 135.976



Achromatopsia
57, 0.007, 296.813



Achromatomaly
64, 55.839, 140.050

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 111.814, 135.976 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(5, 233, 1)` looks like.

```
.text, #text, p{  
    color:rgb(5, 233, 1)  
}
```

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(5, 233, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 233, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 111.814, 135.976 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(5, 233, 1) }
```

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

```
.border{ border-color:rgb(5, 233, 1) }
```

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

Here you see how a box with a 4 pixel rgb(5, 233, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 233, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 233, 1); box-shadow:4px  
4px 4px 4px rgb(5, 233, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 111.814, 135.976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 233, 1) }
```

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

```
.background{ background-color: rgb(5, 233,  
1) }
```

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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