

Converting Colors

CIELCh(81, 111.455, 135.967)

Have a look what the booklet for
CIELCh(81, 111.455, 135.967)
contains.

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Color

CIELCh(81, 111.365, 135.974)

Conversions

Conversions Part 1

Format	Color
Hex	0CE905
RGB	12, 233, 5
RGB Percent	5%, 91%, 2%
CMY	0.9526, 0.0855, 0.9818
CMYK	0.95, 0.00, 0.98, 0.09
HSL	118°, 96%, 47%
HSV	118°, 98%, 91%
XYZ	29.3692, 58.4711, 9.8706
YIQ	140.9290, -58.5280, -117.7600

Conversions

Conversions Part 2

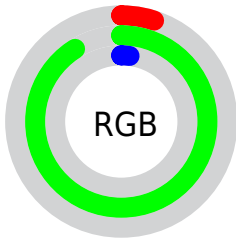
Format	Color
RYB	5, 233, 226
Decimal	846085
CIELab	81.00, -80.07, 77.40
CIElCh	81, 111.365, 135.974
Yxy	58.4711, 0.3006, 0.5984
Android (android.graphics.Color)	4279036165 (0xFF0CE905)
YUV	140.9290, -67.0130, -113.0707
Hunter-Lab	76.4664, -65.2581, 45.8731

Details

The CIELCh color **81, 111.365, 135.974** 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 **54, 107.815, 326.943**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 93.869, 135.698**, and **62, 90.315, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **81, 111.789, 135.915**, and if you desaturate by 10%, it is **81, 108.212, 136.265**.

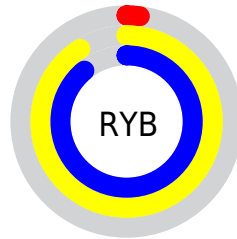
Distribution



Red (5%)

Green (91%)

Blue (2%)



Red (2%)

Yellow (91%)

Blue (89%)

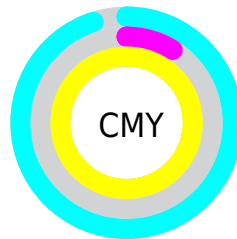


Cyan (95%)

Magenta (0%)

Yellow (98%)

Black (9%)



Cyan (95%)


Magenta (9%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 111.365, 135.974 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, 111.365, 135.974 by changing the saturation by 10% instead.


 81, 111.365,
135.974


 81, 111.365,
135.974


 100, 111.365,
135.974


 71, 111.365,
135.974


 61, 111.365,
135.974

 51, 111.365,
135.974

 41, 111.365,
135.974

 31, 111.365,
135.974

 21, 111.365,
135.974

 11, 111.365,

135.974

■ 1, 111.365,
135.974

■ 0, 111.365,
135.974

■ 81, 111.365,
135.974

■ 81, 111.365,
135.974

■ 81, 111.789,
135.915

■ 81, 108.212,
136.265

■ 82, 102.100,
136.900

■ 82, 93.209,
137.808

■ 83, 82.104,
138.842

■ 84, 69.393,
139.883

■ 85, 55.610,
140.857

■ 87, 41.188,
141.727

■ 89, 26.468,
142.487

■ 91, 11.709,
143.149

Harmonies

Complementary

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



81, 111.365, 135.974



54, 107.815, 326.943

Rectangle

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



81, 111.365, 135.974



81, 111.365, 185.974



81, 111.365, 315.974



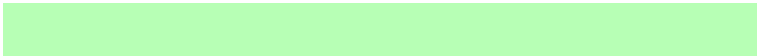
81, 111.365, 5.974

Sweetspot

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



81, 111.364, 135.975



94, 45.841, 141.634



88, 88.006, 100.743



49, 31.401, 141.269



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, 111.364, 135.975



88, 119.630, 135.926



82, 85.719, 147.601



48, 8.355, 143.057



64, 92.444, 135.878



18, 37.948, 137.742

Inverse Universe

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



54, 107.815, 326.943



59, 115.750, 326.926



51, 79.467, 358.757



46, 8.372, 324.053



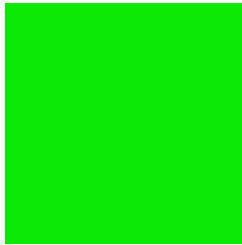
42, 89.501, 326.954



9, 38.316, 327.139

Previews

White Background



This preview shows how the CIELCh color 81, 111.365, 135.974 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, 111.365, 135.974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

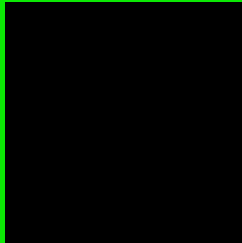
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

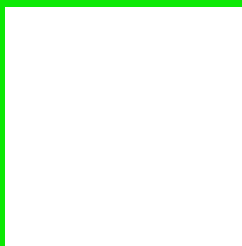
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 111.365, 135.974

Background



This preview shows how black text looks on a background with the CIELCh color 81, 111.365, 135.974.



This preview shows how white text looks on a background with the CIELCh color 81, 111.365, 135.974.

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, 111.272, 135.985

Protanopia

80, 81.518, 95.044

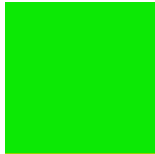
Deuteranopia

80, 73.186, 82.015



Tritanopia
81, 33.972, 212.867

Trichromacy



Original Color
81, 111.272, 135.985



Protanomaly
78, 88.869, 120.149

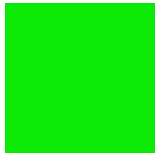


Deuteranomaly
77, 79.807, 116.115



Tritanomaly
80, 61.500, 157.186

Monochromacy



Original Color
81, 111.272, 135.985



Achromatopsia
59, 0.008, 296.813



Achromatomaly
65, 54.968, 139.908

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 111.365, 135.974 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(12, 233, 5)` looks like.

```
.text, #text, p{  
    color:rgb(12, 233, 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(12, 233, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 233, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 111.365, 135.974 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(12, 233, 5) }
```

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

```
.border{ border-color:rgb(12, 233, 5) }
```

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

Here you see how a box with a 4 pixel rgb(12, 233, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 233, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 233, 5);  
box-shadow:4px 4px 4px 4px rgb(12, 233, 5)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 81, 111.365, 135.974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 233, 5) }
```

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

```
.background{ background-color: rgb(12, 233,  
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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