

Converting Colors

CIELCh(82, 105.721, 138.926)

Have a look what the booklet for
CIELCh(82, 105.721, 138.926)
contains.

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Color

CIELCh(82, 105.558, 138.836)

Conversions

Conversions Part 1

Format	Color
Hex	01EC35
RGB	1, 236, 53
RGB Percent	0%, 93%, 21%
CMY	0.9980, 0.0742, 0.7918
CMYK	1.00, 0.00, 0.78, 0.07
HSL	133°, 100%, 46%
HSV	133°, 100%, 93%
XYZ	30.6696, 60.2982, 13.4014
YIQ	144.8730, -81.3170, -106.7330

Conversions

Conversions Part 2

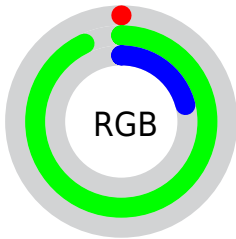
Format	Color
RYB	1, 193, 236
Decimal	126005
CIELab	82.00, -79.47, 69.48
CIELCh	82, 105.558, 138.836
Yxy	60.2982, 0.2939, 0.5777
Android (android.graphics.Color)	4278316085 (0xFF01EC35)
YUV	144.8730, -45.2934, -126.1766
Hunter-Lab	77.6519, -65.3900, 44.1239

Details

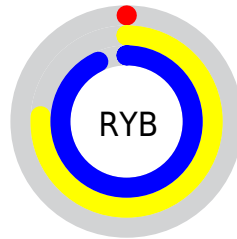
The CIELCh color **82, 105.558, 138.836** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **53, 91.540, 339.798**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 85.889, 139.649**, and **63, 91.460, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **82, 105.665, 138.805**, and if you desaturate by 10%, it is **82, 99.980, 140.494**.

Distribution



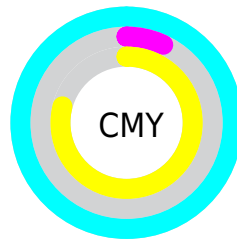
- Red (0%)
- Green (93%)
- Blue (21%)



- Red (0%)
- Yellow (76%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (78%)
- Black (7%)





- Cyan (100%)
- Magenta (7%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 105.558, 138.836 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 82, 105.558, 138.836 by changing the saturation by 10% instead.


 82, 105.558,
138.836


 82, 105.558,
138.836


 100, 105.558,
138.836


 72, 105.558,
138.836

 62, 105.558,
138.836

 52, 105.558,
138.836

 42, 105.558,
138.836

 32, 105.558,
138.836

 22, 105.558,
138.836

 12, 105.558,

138.836

■ 2, 105.558,
138.836

■ 0, 105.558,
138.836

■ 82, 105.558,
138.836

■ 82, 105.558,
138.836

■ 82, 105.665,
138.805

■ 82, 99.980,
140.494

■ 83, 92.751,
142.232

■ 83, 83.968,
143.902

■ 84, 73.850,
145.437

■ 85, 62.655,
146.806

■ 86, 50.664,
148.005

■ 88, 38.149,
149.045

■ 89, 25.356,
149.943

■ 91, 12.489,
150.729

Harmonies

Complementary

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



82, 105.558, 138.836



53, 91.540, 339.798

Rectangle

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



82, 105.558, 138.836



82, 105.558, 188.836



82, 105.558, 318.836



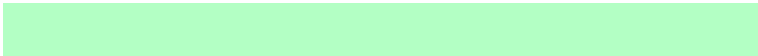
82, 105.558, 8.836

Sweetspot

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



82, 105.558, 138.837



94, 40.903, 149.011



87, 94.230, 115.775



49, 27.854, 148.587



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



82, 105.558, 138.837



88, 112.204, 138.732



83, 65.548, 162.890



48, 7.215, 150.752



64, 85.998, 139.107



18, 34.040, 142.608

Inverse Universe

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



53, 91.540, 339.798



57, 96.980, 339.887



50, 83.805, 23.462



46, 7.240, 331.927



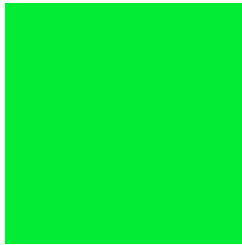
41, 75.249, 339.583



8, 33.006, 337.572

Previews

White Background



This preview shows how the CIE LCh color 82, 105.558, 138.836 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 82, 105.558, 138.836 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

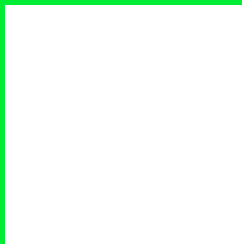
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 105.558, 138.836

Background



This preview shows how black text looks on a background with the CIELCh color 82, 105.558, 138.836.

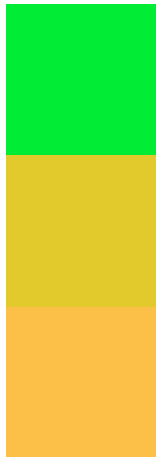


This preview shows how white text looks on a background with the CIELCh color 82, 105.558, 138.836.

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


82, 105.538, 138.823

Protanopia

81, 74.887, 95.039

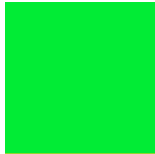
Deuteranopia

81, 66.698, 81.139



Tritanopia
82, 34.604, 213.452

Trichromacy



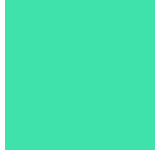
Original Color
82, 105.538, 138.823



Protanomaly
79, 82.848, 123.234

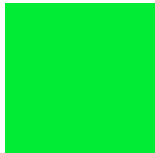


Deuteranomaly
78, 72.342, 119.661



Tritanomaly
81, 56.220, 164.433

Monochromacy



Original Color
82, 105.538, 138.823



Achromatopsia
60, 0.008, 296.813



Achromatomaly
66, 48.159, 147.420

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 105.558, 138.836 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(1, 236, 53)` looks like.

```
.text, #text, p{  
    color:rgb(1, 236, 53)  
}
```

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(1, 236, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 236, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 105.558, 138.836 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(1, 236, 53) }
```

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

```
.border{ border-color:rgb(1, 236, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 236, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 236, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 236, 53);  
box-shadow:4px 4px 4px 4px rgb(1, 236, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 82, 105.558, 138.836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 236, 53) }
```

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

```
.background{ background-color: rgb(1, 236,  
53) }
```

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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