

Converting Colors

CIELCh(82, 106.417, 138.306)

Have a look what the booklet for
CIELCh(82, 106.417, 138.306)
contains.

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Color

CIELCh(82, 106.305, 138.347)

Conversions

Conversions Part 1

Format	Color
Hex	09EC31
RGB	9, 236, 49
RGB Percent	4%, 93%, 19%
CMY	0.9636, 0.0743, 0.8076
CMYK	0.96, 0.00, 0.79, 0.07
HSL	131°, 92%, 48%
HSV	131°, 96%, 93%
XYZ	30.6797, 60.2982, 12.9332
YIQ	146.8090, -75.2650, -106.2810

Conversions

Conversions Part 2

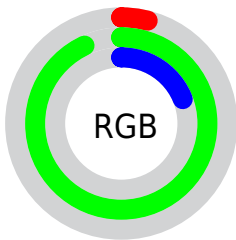
Format	Color
RYB	9, 202, 236
Decimal	650289
CIELab	82.00, -79.43, 70.65
CIELCh	82, 106.305, 138.347
Yxy	60.2982, 0.2952, 0.5803
Android (android.graphics.Color)	4278840369 (0xFF09EC31)
YUV	146.8090, -48.2198, -120.8585
Hunter-Lab	77.6519, -65.3667, 44.4813

Details

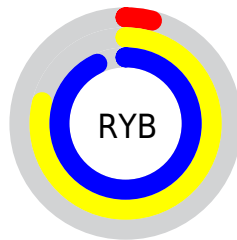
The CIELCh color **82, 106.305, 138.347** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **54, 94.678, 336.483**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 86.685, 138.898**, and **63, 91.460, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **82, 108.118, 137.836**, and if you desaturate by 10%, it is **82, 100.419, 139.872**.

Distribution



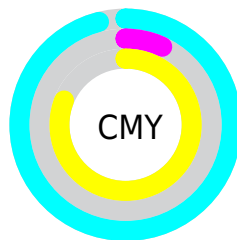
- Red (4%)
- Green (93%)
- Blue (19%)



- Red (4%)
- Yellow (79%)
- Blue (93%)



- Cyan (96%)
- Magenta (0%)
- Yellow (79%)
- Black (7%)





- Cyan (96%)
- Magenta (7%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 106.305, 138.347 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, 106.305, 138.347 by changing the saturation by 10% instead.


 82, 106.305,
138.347


 82, 106.305,
138.347


 100, 106.305,
138.347


 72, 106.305,
138.347


 62, 106.305,
138.347

 52, 106.305,
138.347

 42, 106.305,
138.347

 32, 106.305,
138.347

 22, 106.305,
138.347

 12, 106.305,

138.347

■ 2, 106.305,
138.347

■ 0, 106.305,
138.347

■ 82, 106.305,
138.347

■ 82, 106.305,
138.347

■ 82, 108.118,
137.836

■ 82, 100.419,
139.872

■ 83, 92.614,
141.463

■ 83, 83.134,
143.007

■ 84, 72.278,
144.431

■ 85, 60.365,
145.703

■ 87, 47.712,
146.816

■ 88, 34.607,
147.779

■ 90, 21.301,
148.611

■ 92, 7.995, 149.346

Harmonies

Complementary

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



82, 106.305, 138.347



54, 94.678, 336.483

Rectangle

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



82, 106.305, 138.347



82, 106.305, 188.347



82, 106.305, 318.347



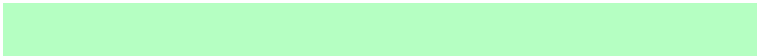
82, 106.305, 8.347

Sweetspot

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



82, 106.305, 138.348



94, 40.969, 147.500



88, 92.333, 112.737



49, 28.067, 147.086



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, 106.305, 138.348



88, 114.794, 137.775



83, 68.544, 159.802



48, 7.469, 149.102



64, 88.091, 138.094



18, 34.946, 141.555

Inverse Universe

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



54, 94.678, 336.483



58, 100.540, 336.897



50, 80.466, 16.868



46, 7.490, 330.236



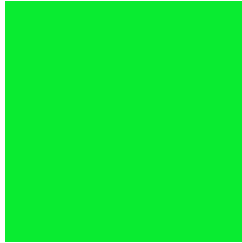
41, 77.964, 336.681



9, 34.045, 335.239

Previews

White Background



This preview shows how the CIELCh color 82, 106.305, 138.347 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, 106.305, 138.347 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

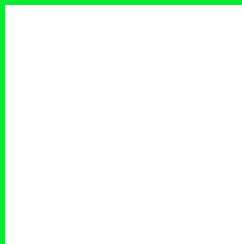
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 106.305, 138.347

Background



This preview shows how black text looks on a background with the CIELCh color 82, 106.305, 138.347.

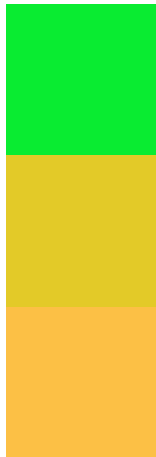


This preview shows how white text looks on a background with the CIELCh color 82, 106.305, 138.347.

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, 106.305, 138.347

Protanopia

81, 75.949, 95.056

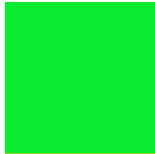
Deuteranopia

81, 67.832, 81.405



Tritanopia
82, 34.604, 213.452

Trichromacy



Original Color
82, 106.305, 138.347



Protanomaly
79, 83.462, 122.217

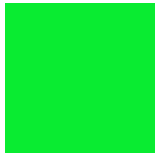


Deuteranomaly
78, 73.038, 118.477



Tritanomaly
81, 56.553, 163.392

Monochromacy



Original Color
82, 106.305, 138.347



Achromatopsia
61, 0.008, 296.813



Achromatomaly
66, 48.168, 145.681

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 106.305, 138.347 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(9, 236, 49)` looks like.

```
.text, #text, p{  
    color:rgb(9, 236, 49)  
}
```

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(9, 236, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 236, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 106.305, 138.347 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(9, 236, 49) }
```

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

```
.border{ border-color:rgb(9, 236, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 236, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 236, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 236, 49);  
box-shadow:4px 4px 4px 4px rgb(9, 236, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 82, 106.305, 138.347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 236, 49) }
```

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

```
.background{ background-color: rgb(9, 236,  
49) }
```

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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