

Converting Colors

CIELCh(82, 106.444, 138.059)

Have a look what the booklet for
CIELCh(82, 106.444, 138.059)
contains.

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Color

CIELCh(82, 106.526, 138.029)

Conversions

Conversions Part 1

Format	Color
Hex	12EC2F
RGB	18, 236, 47
RGB Percent	7%, 93%, 18%
CMY	0.9302, 0.0747, 0.8158
CMYK	0.92, 0.00, 0.80, 0.07
HSL	128°, 86%, 50%
HSV	128°, 92%, 93%
XYZ	30.7412, 60.2982, 12.7027
YIQ	149.2720, -69.2590, -104.9950

Conversions

Conversions Part 2

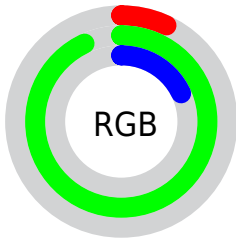
Format	Color
RYB	18, 210, 236
Decimal	1240111
CIELab	82.00, -79.20, 71.24
CIELCh	82, 106.526, 138.029
Yxy	60.2982, 0.2963, 0.5812
Android (android.graphics.Color)	4279430191 (0xFF12EC2F)
YUV	149.2720, -50.4201, -115.1255
Hunter-Lab	77.6519, -65.2253, 44.6573

Details

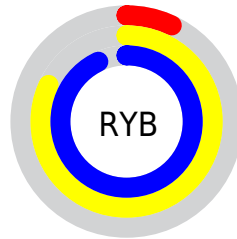
The CIELCh color **82, 106.526, 138.029** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **55, 97.285, 333.985**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 87.108, 138.318**, and **63, 91.460, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **82, 109.834, 137.169**, and if you desaturate by 10%, it is **82, 100.211, 139.411**.

Distribution



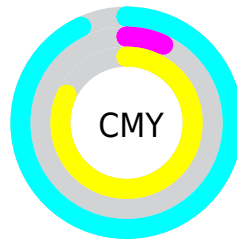
- Red (7%)
- Green (93%)
- Blue (18%)



- Red (7%)
- Yellow (82%)
- Blue (93%)



- Cyan (92%)
- Magenta (0%)
- Yellow (80%)
- Black (7%)





- Cyan (93%)
- Magenta (7%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 106.526, 138.029 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, 106.526, 138.029 by changing the saturation by 10% instead.


 82, 106.526,
138.029


 82, 106.526,
138.029


 100, 106.526,
138.029


 72, 106.526,
138.029


 62, 106.526,
138.029

 52, 106.526,
138.029

 42, 106.526,
138.029

 32, 106.526,
138.029

 22, 106.526,
138.029

 12, 106.526,

138.029

■ 2, 106.526,
138.029

■ 0, 106.526,
138.029

■ 82, 106.526,
138.029

■ 82, 106.526,
138.029

■ 82, 109.834,
137.169

■ 82, 100.211,
139.411

■ 83, 91.808,
140.878

■ 84, 81.651,
142.312

■ 84, 70.110,
143.640

■ 86, 57.553,
144.827

■ 87, 44.321,
145.865

■ 89, 30.715,
146.762

■ 91, 16.982,
147.536

■ 93, 3.317, 148.270

Harmonies

Complementary

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



82, 106.526, 138.029



55, 97.285, 333.985

Rectangle

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



82, 106.526, 138.029



82, 106.526, 188.029



82, 106.526, 318.029



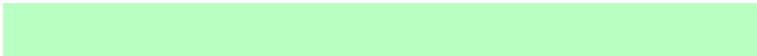
82, 106.526, 8.029

Sweetspot

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



82, 106.526, 138.030



94, 40.777, 146.270



89, 90.895, 110.679



49, 28.113, 145.865



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, 106.526, 138.030



88, 116.618, 137.119



83, 69.920, 158.279



48, 7.696, 147.748



64, 89.606, 137.382



18, 35.715, 140.716

Inverse Universe

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



55, 97.285, 333.985



58, 103.871, 334.522



51, 78.613, 11.845



46, 7.714, 328.853



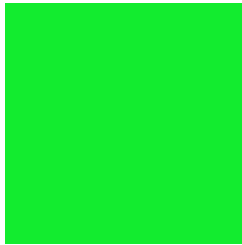
42, 80.497, 334.371



9, 34.997, 333.359

Previews

White Background



This preview shows how the CIELCh color 82, 106.526, 138.029 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, 106.526, 138.029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

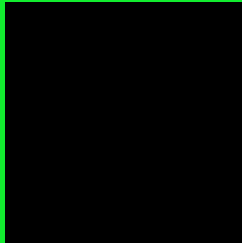
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 106.526, 138.029

Background



This preview shows how black text looks on a background with the CIELCh color 82, 106.526, 138.029.

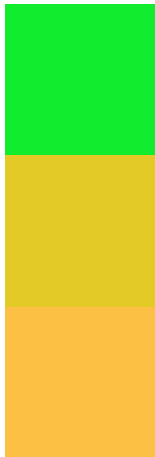


This preview shows how white text looks on a background with the CIELCh color 82, 106.526, 138.029.

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

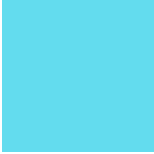
82, 106.526, 138.029

Protanopia

81, 76.449, 95.064

Deuteranopia

81, 68.204, 81.489



Tritanopia
82, 34.429, 213.547

Trichromacy



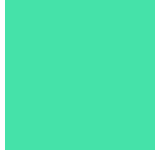
Original Color
82, 106.526, 138.029



Protanomaly
79, 83.548, 121.356

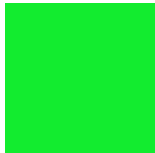


Deuteranomaly
78, 73.390, 117.396



Tritanomaly
81, 56.167, 163.176

Monochromacy



Original Color
82, 106.526, 138.029



Achromatopsia
62, 0.008, 296.813



Achromatomaly
67, 48.117, 144.831

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 106.526, 138.029 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, 236, 47)` looks like.

```
.text, #text, p{  
    color:rgb(18, 236, 47)  
}
```

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, 236, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 236, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 106.526, 138.029 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, 236, 47) }
```

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

```
.border{ border-color:rgb(18, 236, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 236, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 236, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 236, 47);  
box-shadow:4px 4px 4px 4px rgb(18, 236,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 106.526, 138.029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 236, 47) }
```

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

```
.background{ background-color: rgb(18, 236,  
47) }
```

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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