

Converting Colors

CIELCh(82, 108.542, 137.682)

Have a look what the booklet for
CIELCh(82, 108.542, 137.682)
contains.

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Color

CIELCh(82, 108.351, 137.719)

Conversions

Conversions Part 1

Format	Color
Hex	02EC28
RGB	2, 236, 40
RGB Percent	1%, 93%, 16%
CMY	0.9902, 0.0736, 0.8418
CMYK	0.99, 0.00, 0.83, 0.07
HSL	130°, 98%, 47%
HSV	130°, 99%, 93%
XYZ	30.4830, 60.2982, 12.0681
YIQ	143.6900, -76.5480, -110.5640

Conversions

Conversions Part 2

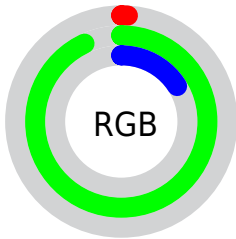
Format	Color
RYB	2, 203, 236
Decimal	191528
CIELab	82.00, -80.16, 72.89
CIELCh	82, 108.351, 137.719
Yxy	60.2982, 0.2964, 0.5863
Android (android.graphics.Color)	4278381608 (0xFF02EC28)
YUV	143.6900, -51.1192, -124.2621
Hunter-Lab	77.6519, -65.8189, 45.1419

Details

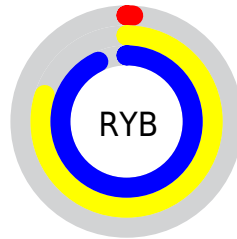
The CIELCh color **82, 108.351, 137.719** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **54, 95.876, 335.975**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 89.002, 138.071**, and **63, 91.460, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **82, 108.796, 137.601**, and if you desaturate by 10%, it is **82, 103.149, 139.105**.

Distribution



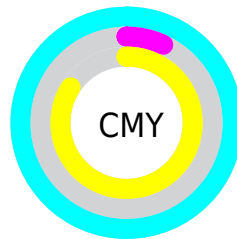
- Red (1%)
- Green (93%)
- Blue (16%)



- Red (1%)
- Yellow (80%)
- Blue (93%)



- Cyan (99%)
- Magenta (0%)
- Yellow (83%)
- Black (7%)





- Cyan (99%)
- Magenta (7%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 108.351, 137.719 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, 108.351, 137.719 by changing the saturation by 10% instead.


 82, 108.351,
137.719


 82, 108.351,
137.719


 100, 108.351,
137.719


 72, 108.351,
137.719

 62, 108.351,
137.719

 52, 108.351,
137.719

 42, 108.351,
137.719

 32, 108.351,
137.719

 22, 108.351,
137.719

 12, 108.351,

137.719

■ 2, 108.351,
137.719

■ 0, 108.351,
137.719

■ 82, 108.351,
137.719

■ 82, 108.351,
137.719

■ 82, 108.796,
137.601

■ 82, 103.149,
139.105

■ 83, 95.921,
140.643

■ 83, 86.869,
142.179

■ 84, 76.302,
143.624

■ 85, 64.553,
144.930

■ 86, 51.954,
146.081

■ 88, 38.814,
147.080

■ 90, 25.402,
147.941

■ 92, 11.937,
148.691

Harmonies

Complementary

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



82, 108.351, 137.719



54, 95.876, 335.975

Rectangle

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



82, 108.351, 137.719



82, 108.351, 187.719



82, 108.351, 317.719



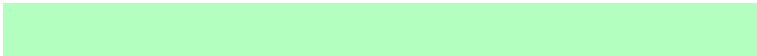
82, 108.351, 7.719

Sweetspot

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



82, 108.351, 137.720



94, 42.789, 146.969



88, 92.690, 111.967



49, 29.141, 146.557



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, 108.351, 137.720



88, 115.432, 137.544



83, 71.024, 157.959



48, 7.542, 148.654



64, 88.616, 137.845



18, 35.194, 141.278

Inverse Universe

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



54, 95.876, 335.975



58, 101.600, 336.104



50, 81.014, 16.870



46, 7.562, 329.778



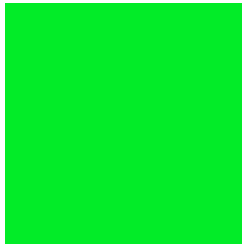
41, 78.770, 335.909



9, 34.349, 334.613

Previews

White Background



This preview shows how the CIELCh color 82, 108.351, 137.719 looks on a white background.

Color Contrast Check

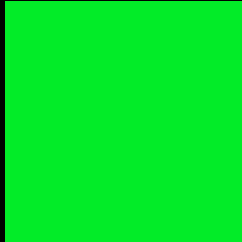
Large Text (above 18pt) WCAG AA × Fail

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, 108.351, 137.719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

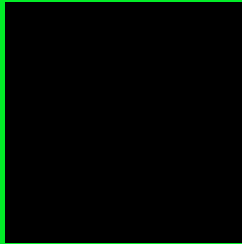
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

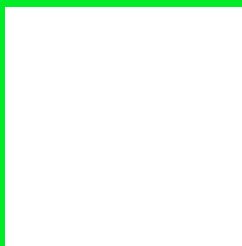
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 108.351, 137.719

Background



This preview shows how black text looks on a background with the CIELCh color 82, 108.351, 137.719.



This preview shows how white text looks on a background with the CIELCh color 82, 108.351, 137.719.

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

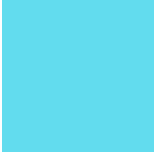
82, 108.331, 137.706

Protanopia

81, 78.033, 95.084

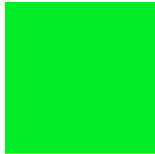
Deuteranopia

81, 69.855, 81.484



Tritanopia
82, 34.604, 213.452

Trichromacy



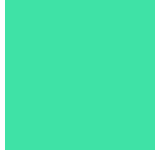
Original Color
82, 108.331, 137.706



Protanomaly
79, 85.919, 122.316

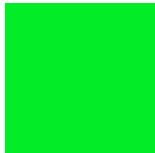


Deuteranomaly
78, 75.567, 118.447



Tritanomaly
81, 57.990, 162.371

Monochromacy



Original Color
82, 108.331, 137.706



Achromatopsia
60, 0.008, 296.813



Achromatomaly
66, 50.505, 144.903

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 108.351, 137.719 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(2, 236, 40)` looks like.

```
.text, #text, p{  
    color:rgb(2, 236, 40)  
}
```

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(2, 236, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 236, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 108.351, 137.719 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(2, 236, 40) }
```

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

```
.border{ border-color:rgb(2, 236, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 236, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 236, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 236, 40);  
box-shadow:4px 4px 4px 4px rgb(2, 236, 40)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 82, 108.351, 137.719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 236, 40) }
```

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

```
.background{ background-color: rgb(2, 236,  
40) }
```

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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