

Converting Colors

CIELCh(82, 102.466, 138.456)

Have a look what the booklet for
CIELCh(82, 102.466, 138.456)
contains.

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Color

CIELCh(82, 102.470, 138.435)

Conversions

Conversions Part 1

Format	Color
Hex	28EB3A
RGB	40, 235, 58
RGB Percent	16%, 92%, 23%
CMY	0.8414, 0.0776, 0.7717
CMYK	0.83, 0.00, 0.75, 0.08
HSL	125°, 83%, 54%
HSV	125°, 83%, 92%
XYZ	31.4266, 60.2982, 14.0144
YIQ	156.5170, -59.4030, -96.3870

Conversions

Conversions Part 2

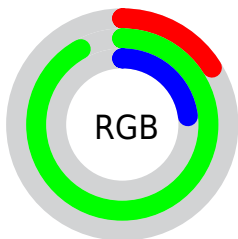
Format	Color
RYB	40, 219, 235
Decimal	2681658
CIELab	82.00, -76.67, 67.99
CIELCh	82, 102.470, 138.435
Yxy	60.2982, 0.2972, 0.5703
Android (android.graphics.Color)	4280871738 (0xFF28EB3A)
YUV	156.5170, -48.5689, -102.1854
Hunter-Lab	77.6519, -63.6499, 43.6559

Details

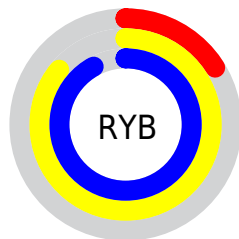
The CIELCh color **82, 102.470, 138.435** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **56, 97.113, 331.542**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 82.843, 139.014**, and **63, 91.079, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **82, 108.272, 137.278**, and if you desaturate by 10%, it is **82, 94.295, 139.756**.

Distribution



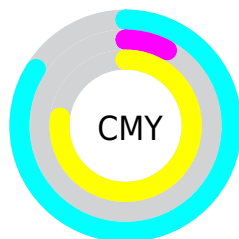
- Red (16%)
- Green (92%)
- Blue (23%)



- Red (16%)
- Yellow (86%)
- Blue (92%)



- Cyan (83%)
- Magenta (0%)
- Yellow (75%)
- Black (8%)





- Cyan (84%)
- Magenta (8%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 102.470, 138.435 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, 102.470, 138.435 by changing the saturation by 10% instead.


 82, 102.470,
138.435


 82, 102.470,
138.435


 100, 102.470,
138.435


 72, 102.470,
138.435


 62, 102.470,
138.435

 52, 102.470,
138.435

 42, 102.470,
138.435

 32, 102.470,
138.435

 22, 102.470,
138.435

 12, 102.470,

138.435

■ 2, 102.470,
138.435

■ 0, 102.470,
138.435

■ 82, 102.470,
138.435

■ 82, 102.470,
138.435

■ 82, 108.272,
137.278

■ 82, 94.295,
139.756

■ 82, 110.920,
136.661

■ 83, 84.135,
141.104

■ 84, 72.429,
142.386

■ 85, 59.603,
143.548

■ 87, 46.040,
144.572

■ 88, 32.067,
145.458

■ 90, 17.952,
146.221

■ 92, 3.903, 146.929

■ 95, 9.931, 327.365

Harmonies

Complementary

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



82, 102.470, 138.435



56, 97.113, 331.542

Rectangle

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



82, 102.470, 138.435



82, 102.470, 188.435



82, 102.470, 318.435



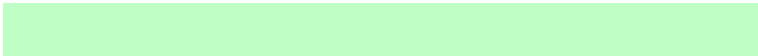
82, 102.470, 8.435

Sweetspot

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



82, 102.470, 138.436



95, 37.530, 145.265



89, 86.289, 107.796



50, 25.593, 144.957



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, 102.470, 138.436



88, 117.716, 136.687



83, 69.083, 157.201



48, 7.929, 146.455



64, 90.821, 136.824



18, 36.504, 139.905

Inverse Universe

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



56, 97.113, 331.542



59, 107.331, 332.281



53, 74.864, 3.118



46, 7.945, 327.533



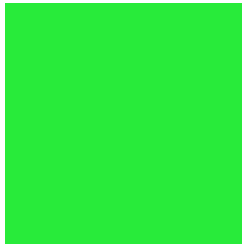
42, 83.193, 332.231



9, 35.999, 331.596

Previews

White Background



This preview shows how the CIELCh color 82, 102.470, 138.435 looks on a white background.

Color Contrast Check

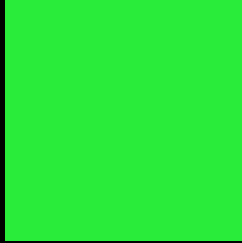
Large Text (above 18pt) WCAG AA × Fail

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, 102.470, 138.435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

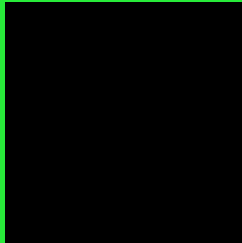
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 102.470, 138.435

Background



This preview shows how black text looks on a background with the CIELCh color 82, 102.470, 138.435.

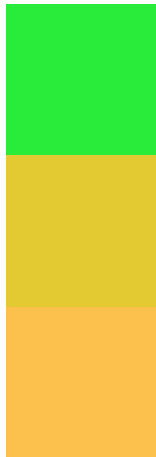


This preview shows how white text looks on a background with the CIELCh color 82, 102.470,

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, 102.470, 138.435

Protanopia

81, 73.148, 95.004

Deuteranopia

81, 65.146, 80.754



Tritanopia
82, 33.509, 214.069

Trichromacy



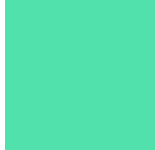
Original Color
82, 102.470, 138.435



Protanomaly
79, 79.297, 120.242

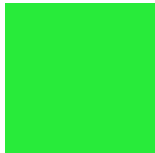


Deuteranomaly
79, 69.046, 115.753



Tritanomaly
81, 53.035, 163.879

Monochromacy



Original Color
82, 102.470, 138.435



Achromatopsia
65, 0.008, 296.813



Achromatomaly
69, 43.739, 143.971

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 102.470, 138.435 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(40, 235, 58)` looks like.

```
.text, #text, p{  
    color:rgb(40, 235, 58)  
}
```

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(40, 235, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 235, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 102.470, 138.435 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(40, 235, 58) }
```

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

```
.border{ border-color:rgb(40, 235, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 235, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 235, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 235, 58);  
box-shadow:4px 4px 4px 4px rgb(40, 235,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 102.470, 138.435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 235, 58) }
```

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

```
.background{ background-color: rgb(40, 235,  
58) }
```

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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