

Converting Colors

CIELCh(82, 112.896, 135.707)

Have a look what the booklet for
CIELCh(82, 112.896, 135.707)
contains.

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Color

CIELCh(82, 112.591, 135.777)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 12EC01 |
| RGB | 18, 236, 1 |
| RGB Percent | 7%, 93%, 0% |
| CMY | 0.9280, 0.0733, 0.9960 |
| CMYK | 0.92, 0.00, 1.00, 0.07 |
| HSL | 116°, 99%, 47% |
| HSV | 116°, 100%, 93% |
| XYZ | 30.3437, 60.2982, 10.0677 |
| YIQ | 144.0280, -54.4930, -119.3010 |

Conversions

Conversions Part 2

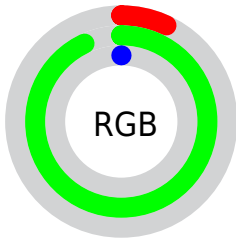
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 1, 236, 219 |
| Decimal | 1240065 |
| CIELab | 82.00, -80.69, 78.53 |
| CIELCh | 82, 112.591, 135.777 |
| Yxy | 60.2982, 0.3013, 0.5987 |
| Android (android.graphics.Color) | 4279430145 (0xFF12EC01) |
| YUV | 144.0280, -70.5128, -110.5266 |
| Hunter-Lab | 77.6519, -66.1391, 46.6693 |

Details

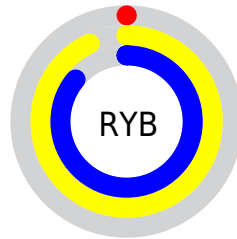
The CIELCh color **82, 112.591, 135.777** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **53, 109.502, 325.319**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 93.574, 135.445**, and **63, 91.460, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **82, 112.689, 135.770**, and if you desaturate by 10%, it is **82, 109.542, 135.880**.

Distribution



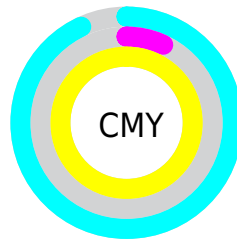
- Red (7%)
- Green (93%)
- Blue (0%)



- Red (0%)
- Yellow (93%)
- Blue (86%)



- Cyan (92%)
- Magenta (0%)
- Yellow (100%)
- Black (7%)





- Cyan (93%)
- Magenta (7%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 112.591, 135.777 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, 112.591, 135.777 by changing the saturation by 10% instead.


 82, 112.591,
135.777


 82, 112.591,
135.777


 100, 112.591,
135.777


 72, 112.591,
135.777


 62, 112.591,
135.777

 52, 112.591,
135.777

 42, 112.591,
135.777

 32, 112.591,
135.777

 22, 112.591,
135.777

 12, 112.591,

135.777

■ 2, 112.591,
135.777

■ 0, 112.591,
135.777

■ 82, 112.591,
135.777

■ 82, 112.591,
135.777

■ 82, 112.689,
135.770

■ 82, 109.542,
135.880

■ 83, 103.653,
136.298

■ 83, 94.948,
137.023

■ 84, 83.987,
137.919

■ 85, 71.392,
138.860

■ 86, 57.705,
139.764

■ 88, 43.361,
140.588

■ 90, 28.698,
141.316

■ 91, 13.970,
141.952

Harmonies

Complementary

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



82, 112.591, 135.777



53, 109.502, 325.319

Rectangle

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



82, 112.591, 135.777



82, 112.591, 185.777



82, 112.591, 315.777



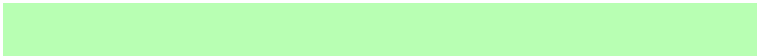
82, 112.591, 5.777

Sweetspot

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



82, 112.590, 135.778



94, 46.788, 140.545



86, 86.061, 97.161



49, 31.866, 140.205



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, 112.590, 135.778



88, 119.401, 135.787



82, 91.648, 145.048



48, 8.245, 141.959



64, 92.213, 135.695



18, 37.594, 137.064

Inverse Universe

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



53, 109.502, 325.319



57, 116.089, 325.300



52, 81.692, 354.783



46, 8.268, 322.903



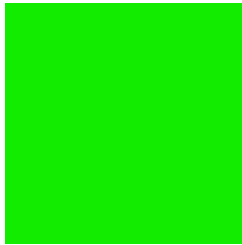
41, 89.756, 325.360



8, 38.403, 325.774

Previews

White Background



This preview shows how the CIELCh color 82, 112.591, 135.777 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 CIE LCh color 82, 112.591, 135.777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

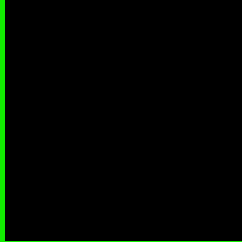
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

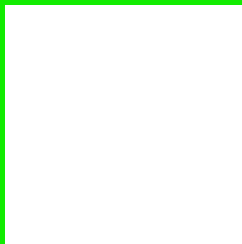
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 112.591, 135.777

Background



This preview shows how black text looks on a background with the CIELCh color 82, 112.591, 135.777.



This preview shows how white text looks on a background with the CIELCh color 82, 112.591, 135.777.

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, 112.492, 135.784

Protanopia

81, 82.179, 94.809

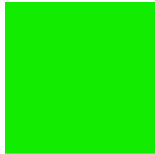
Deuteranopia

81, 74.364, 82.040



Tritanopia
82, 34.221, 212.712

Trichromacy



Original Color
82, 112.492, 135.784



Protanomaly
79, 89.347, 119.516

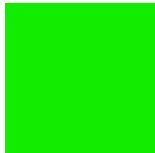


Deuteranomaly
78, 80.780, 115.315



Tritanomaly
81, 62.657, 156.309

Monochromacy



Original Color
82, 112.492, 135.784



Achromatopsia
60, 0.008, 296.813



Achromatomaly
66, 55.519, 139.144

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 112.591, 135.777 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, 1)` looks like.

```
.text, #text, p{  
    color:rgb(18, 236, 1)  
}
```

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, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 236, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 112.591, 135.777 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, 1) }
```

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

```
.border{ border-color:rgb(18, 236, 1) }
```

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, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 236, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 236, 1);  
box-shadow:4px 4px 4px 4px rgb(18, 236, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 82, 112.591, 135.777 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, 1) }
```

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

```
.background{ background-color: rgb(18, 236,  
1) }
```

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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