

Converting Colors

CIELCh(82, 112.759, 135.981)

Have a look what the booklet for
CIELCh(82, 112.759, 135.981)
contains.

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Color

CIELCh(82, 112.591, 135.989)

Conversions

Conversions Part 1

Format	Color
Hex	0BEC04
RGB	11, 236, 4
RGB Percent	4%, 93%, 2%
CMY	0.9585, 0.0729, 0.9829
CMYK	0.96, 0.00, 0.98, 0.07
HSL	118°, 96%, 47%
HSV	118°, 98%, 93%
XYZ	30.2665, 60.2982, 10.1679
YIQ	142.2770, -59.6280, -119.8520

Conversions

Conversions Part 2

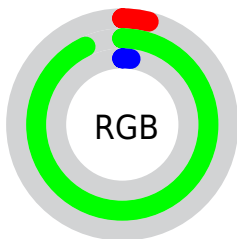
Format	Color
R_{YB}	4, 236, 229
Decimal	781316
CIE _{Lab}	82.00, -80.98, 78.23
CIE _{LCh}	82, 112.591, 135.989
Yxy	60.2982, 0.3005, 0.5986
Android (android.graphics.Color)	4278971396 (0xFF0BEC04)
YUV	142.2770, -68.1706, -115.1299
Hunter-Lab	77.6519, -66.3166, 46.5927

Details

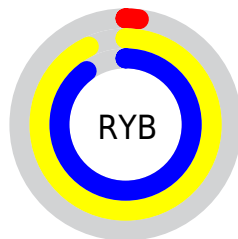
The CIELCh color **82, 112.591, 135.989** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **55, 108.935, 327.166**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 93.869, 135.698**, and **63, 91.460, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **82, 112.980, 135.934**, and if you desaturate by 10%, it is **82, 109.496, 136.296**.

Distribution



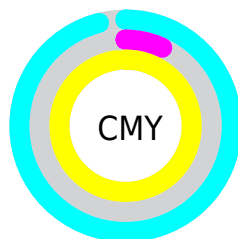
- Red (4%)
- Green (93%)
- Blue (2%)



- Red (2%)
- Yellow (93%)
- Blue (90%)



- Cyan (96%)
- Magenta (0%)
- Yellow (98%)
- Black (7%)





- Cyan (96%)
- Magenta (7%)
- Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 112.591, 135.989 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, 135.989 by changing the saturation by 10% instead.


 82, 112.591,
135.989


 82, 112.591,
135.989


 100, 112.591,
135.989


 72, 112.591,
135.989


 62, 112.591,
135.989

 52, 112.591,
135.989

 42, 112.591,
135.989

 32, 112.591,
135.989

 22, 112.591,
135.989

 12, 112.591,

135.989

■ 2, 112.591,
135.989

■ 0, 112.591,
135.989

■ 82, 112.591,
135.989

■ 82, 112.591,
135.989

■ 82, 112.980,
135.934

■ 82, 109.496,
136.296

■ 83, 103.409,
136.948

■ 83, 94.489,
137.873

■ 84, 83.305,
138.925

■ 85, 70.473,
139.982

■ 86, 56.537,
140.970

■ 88, 41.939,
141.852

■ 90, 27.030,
142.622

■ 92, 12.077,
143.290

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, 135.989



55, 108.935, 327.166

Rectangle

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



82, 112.591, 135.989



82, 112.591, 185.989



82, 112.591, 315.989



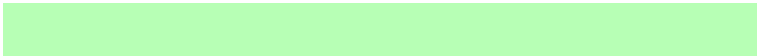
82, 112.591, 5.989

Sweetspot

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



82, 112.590, 135.990



94, 45.926, 141.772



89, 88.949, 100.737



49, 31.458, 141.403



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, 135.990



88, 119.656, 135.942



83, 86.720, 147.551



48, 8.371, 143.207



64, 92.475, 135.902



18, 37.998, 137.836

Inverse Universe

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



55, 108.935, 327.166



59, 115.712, 327.155



51, 80.301, 358.844



46, 8.387, 324.211



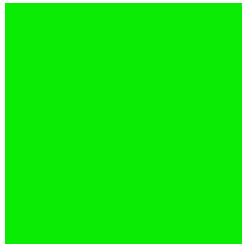
42, 89.473, 327.178



9, 38.306, 327.331

Previews

White Background



This preview shows how the CIELCh color 82, 112.591, 135.989 looks on a white background.

Color Contrast Check

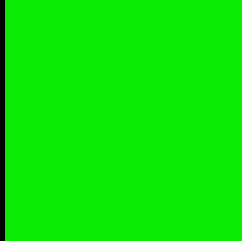
Large Text (above 18pt) WCAG AA × Fail

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, 135.989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

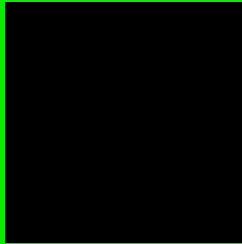
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

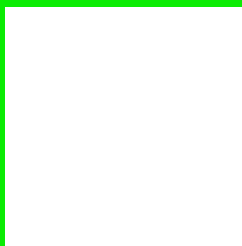
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 112.591, 135.989

Background



This preview shows how black text looks on a background with the CIELCh color 82, 112.591, 135.989.



This preview shows how white text looks on a background with the CIELCh color 82, 112.591, 135.989.

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, 112.460, 135.975

Protanopia

81, 82.179, 94.809

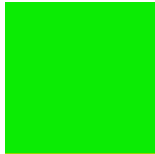
Deuteranopia

81, 74.364, 82.040

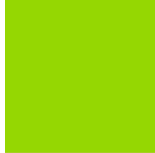


Tritanopia
82, 34.253, 213.644

Trichromacy



Original Color
82, 112.460, 135.975



Protanomaly
79, 89.967, 120.407

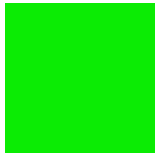


Deuteranomaly
78, 80.868, 116.199



Tritanomaly
81, 62.285, 157.237

Monochromacy



Original Color
82, 112.460, 135.975



Achromatopsia
59, 0.008, 296.813



Achromatomaly
65, 55.119, 140.181

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 112.591, 135.989 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(11, 236, 4)` looks like.

```
.text, #text, p{  
    color:rgb(11, 236, 4)  
}
```

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(11, 236, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 236, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 112.591, 135.989 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(11, 236, 4) }
```

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

```
.border{ border-color:rgb(11, 236, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 236, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 236, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 236, 4);  
box-shadow:4px 4px 4px 4px rgb(11, 236, 4)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 82, 112.591, 135.989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 236, 4) }
```

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

```
.background{ background-color: rgb(11, 236,  
4) }
```

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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