

Converting Colors

CIELCh(82, 112.496, 135.978)

Have a look what the booklet for
CIELCh(82, 112.496, 135.978)
contains.

CIELCh(82, 112.346, 135.971)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(82, 112.346, 135.971)

Conversions

Conversions Part 1

Format	Color
Hex	0FEC06
RGB	15, 236, 6
RGB Percent	6%, 93%, 2%
CMY	0.9419, 0.0732, 0.9758
CMYK	0.94, 0.00, 0.97, 0.07
HSL	118°, 95%, 48%
HSV	118°, 97%, 93%
XYZ	30.3199, 60.2982, 10.2167
YIQ	143.7010, -57.8860, -118.3820

Conversions

Conversions Part 2

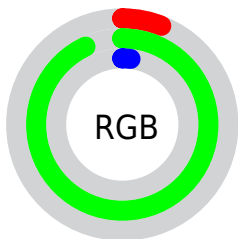
Format	Color
RYB	6, 236, 227
Decimal	1043462
CIELab	82.00, -80.78, 78.08
CIELCh	82, 112.346, 135.971
Yxy	60.2982, 0.3007, 0.5980
Android (android.graphics.Color)	4279233542 (0xFF0FEC06)
YUV	143.7010, -67.8866, -112.8708
Hunter-Lab	77.6519, -66.1938, 46.5555

Details

The CIELCh color **82, 112.346, 135.971** 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, 108.838, 326.750**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 93.390, 135.703**, and **63, 91.460, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **82, 112.906, 135.902**, and if you desaturate by 10%, it is **82, 108.996, 136.252**.

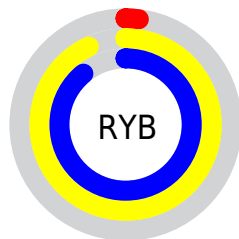
Distribution



Red (6%)

Green (93%)

Blue (2%)



Red (2%)

Yellow (93%)

Blue (89%)

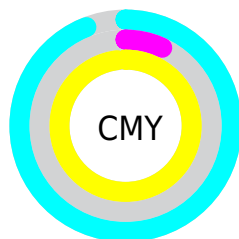


Cyan (94%)

Magenta (0%)

Yellow (97%)

Black (7%)



Cyan (94%)


Magenta (7%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 112.346, 135.971 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, 112.346, 135.971 by changing the saturation by 10% instead.


 82, 112.346,
135.971


 82, 112.346,
135.971


 100, 112.346,
135.971


 72, 112.346,
135.971


 62, 112.346,
135.971

 52, 112.346,
135.971

 42, 112.346,
135.971

 32, 112.346,
135.971

 22, 112.346,
135.971

 12, 112.346,

135.971

■ 2, 112.346,
135.971

■ 0, 112.346,
135.971

■ 82, 112.346,
135.971

■ 82, 112.346,
135.971

■ 82, 112.906,
135.902

■ 82, 108.996,
136.252

■ 83, 102.626,
136.886

■ 83, 93.479,
137.787

■ 84, 82.138,
138.810

■ 85, 69.218,
139.837

■ 86, 55.249,
140.796

■ 88, 40.662,
141.653

■ 90, 25.795,
142.401

■ 92, 10.903,
143.054

Harmonies

Complementary

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



82, 112.346, 135.971



55, 108.838, 326.750

Rectangle

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



82, 112.346, 135.971



82, 112.346, 185.971



82, 112.346, 315.971



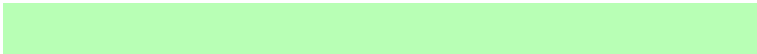
82, 112.346, 5.971

Sweetspot

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



82, 112.345, 135.972



94, 45.767, 141.513



88, 87.746, 99.645



49, 31.351, 141.151



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, 112.345, 135.972



88, 119.607, 135.912



83, 87.717, 146.957



48, 8.342, 142.924



64, 92.417, 135.856



18, 37.904, 137.659

Inverse Universe

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



55, 108.838, 326.750



59, 115.785, 326.726



52, 80.629, 357.035



46, 8.359, 323.914



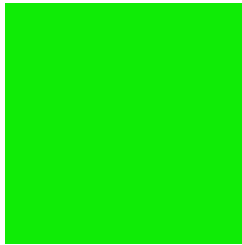
42, 89.528, 326.757



9, 38.325, 326.971

Previews

White Background



This preview shows how the CIELCh color 82, 112.346, 135.971 looks on a white background.

Color Contrast Check

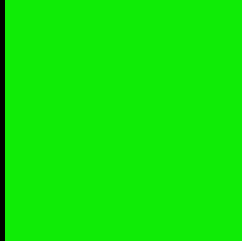
Large Text (above 18pt) WCAG AA × Fail

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, 112.346, 135.971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

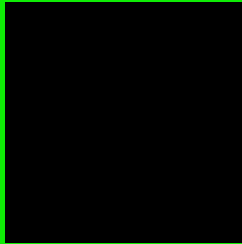
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 112.346, 135.971

Background



This preview shows how black text looks on a background with the CIELCh color 82, 112.346, 135.971.



This preview shows how white text looks on a background with the CIELCh color 82, 112.346, 135.971.

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, 112.227, 135.964

Protanopia

81, 82.179, 94.809

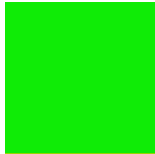
Deuteranopia

81, 74.364, 82.040



Tritanopia
82, 34.221, 212.712

Trichromacy



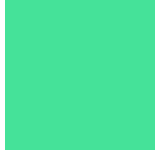
Original Color
82, 112.227, 135.964



Protanomaly
79, 89.428, 120.020

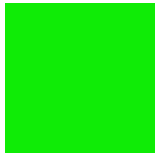


Deuteranomaly
78, 80.444, 115.693



Tritanomaly
81, 62.031, 157.077

Monochromacy



Original Color
82, 112.227, 135.964



Achromatopsia
60, 0.008, 296.813



Achromatomaly
66, 54.856, 139.981

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 112.346, 135.971 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(15, 236, 6)` looks like.

```
.text, #text, p{  
    color:rgb(15, 236, 6)  
}
```

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(15, 236, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 236, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 112.346, 135.971 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(15, 236, 6) }
```

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

```
.border{ border-color:rgb(15, 236, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 236, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 236, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 236, 6);  
box-shadow:4px 4px 4px 4px rgb(15, 236, 6)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 82, 112.346, 135.971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 236, 6) }
```

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

```
.background{ background-color: rgb(15, 236,  
6) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor