

Converting Colors

CIELCh(82, 103.402, 137.218)

Have a look what the booklet for
CIELCh(82, 103.402, 137.218)
contains.

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Color

CIELCh(82, 103.437, 137.218)

Conversions

Conversions Part 1

Format	Color
Hex	33EB33
RGB	51, 235, 51
RGB Percent	20%, 92%, 20%
CMY	0.8007, 0.0788, 0.8004
CMYK	0.78, 0.00, 0.78, 0.08
HSL	120°, 82%, 56%
HSV	120°, 78%, 92%
XYZ	31.6320, 60.2982, 13.0904
YIQ	159.0080, -50.6000, -96.2320

Conversions

Conversions Part 2

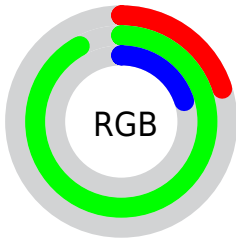
Format	Color
RYB	51, 235, 235
Decimal	3402547
CIELab	82.00, -75.92, 70.26
CIELCh	82, 103.437, 137.218
Yxy	60.2982, 0.3012, 0.5742
Android (android.graphics.Color)	4281592627 (0xFF33EB33)
YUV	159.0080, -53.2479, -94.7230
Hunter-Lab	77.6519, -63.1778, 44.3613

Details

The CIELCh color **82, 103.437, 137.218** 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 **58, 100.900, 328.001**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 84.121, 137.131**, and **63, 91.079, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **82, 109.302, 136.463**, and if you desaturate by 10%, it is **83, 94.708, 138.241**.

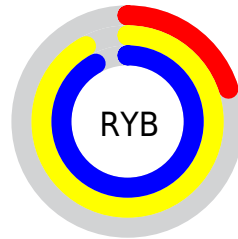
Distribution



Red (20%)

Green (92%)

Blue (20%)



Red (20%)

Yellow (92%)

Blue (92%)

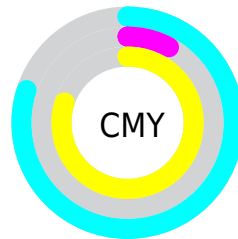


Cyan (78%)

Magenta (0%)

Yellow (78%)

Black (8%)



Cyan (80%)


Magenta (8%)


Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 103.437, 137.218 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, 103.437, 137.218 by changing the saturation by 10% instead.


 82, 103.437,
137.218


 82, 103.437,
137.218


 100, 103.437,
137.218


 72, 103.437,
137.218


 62, 103.437,
137.218

 52, 103.437,
137.218

 42, 103.437,
137.218

 32, 103.437,
137.218

 22, 103.437,
137.218

 12, 103.437,

137.218

■ 2, 103.437,
137.218

■ 0, 103.437,
137.218

■ 82, 103.437,
137.218

■ 82, 103.437,
137.218

■ 82, 109.302,
136.463

■ 83, 94.708,
138.241

■ 82, 112.212,
136.067

■ 83, 83.661,
139.379

■ 81, 112.560,
136.018

■ 84, 70.909,
140.508

■ 86, 56.998,
141.554

■ 87, 42.387,
142.482

■ 89, 27.438,
143.288

■ 91, 12.432,
143.984

■ 93, 2.425, 324.419

■ 95, 12.540,
324.853

Harmonies

Complementary

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



82, 103.437, 137.218



58, 100.900, 328.001

Rectangle

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



82, 103.437, 137.218



82, 103.437, 187.218



82, 103.437, 317.218



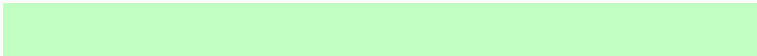
82, 103.437, 7.218

Sweetspot

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



82, 103.437, 137.219



95, 38.357, 142.840



90, 83.372, 103.439



50, 26.340, 142.541



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, 103.437, 137.219



88, 118.490, 136.185



83, 72.326, 153.505



48, 8.443, 143.911



64, 92.613, 136.019



18, 38.229, 138.282

Inverse Universe

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



58, 100.900, 328.001



61, 114.488, 328.216



54, 74.348, 354.937



46, 8.455, 324.952



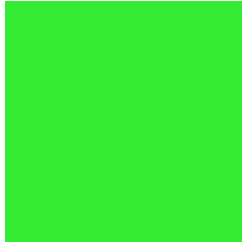
43, 89.338, 328.247



9, 38.258, 328.245

Previews

White Background



This preview shows how the CIELCh color 82, 103.437, 137.218 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, 103.437, 137.218 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, 103.437, 137.218

Background



This preview shows how black text looks on a background with the CIELCh color 82, 103.437, 137.218.

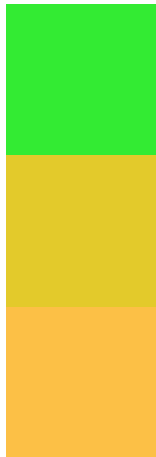


This preview shows how white text looks on a background with the CIELCh color 82, 103.437, 137.218.

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, 103.437, 137.218

Protanopia

81, 75.160, 95.043

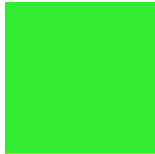
Deuteranopia

81, 67.457, 81.318



Tritanopia
82, 32.762, 214.506

Trichromacy



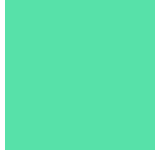
Original Color
82, 103.437, 137.218



Protanomaly
80, 80.780, 118.656



Deuteranomaly
79, 71.243, 113.867



Tritanomaly
81, 52.979, 161.869

Monochromacy



Original Color
82, 103.437, 137.218



Achromatopsia
65, 0.008, 296.813



Achromatomaly
70, 44.349, 141.840

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 103.437, 137.218 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(51, 235, 51)` looks like.

```
.text, #text, p{  
    color:rgb(51, 235, 51)  
}
```

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(51, 235, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 235, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 103.437, 137.218 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(51, 235, 51) }
```

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

```
.border{ border-color:rgb(51, 235, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 235, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 235, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 235, 51);  
box-shadow:4px 4px 4px 4px rgb(51, 235,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 103.437, 137.218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 235, 51) }
```

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

```
.background{ background-color: rgb(51, 235,  
51) }
```

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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