

Converting Colors

CIELCh(84, 105.337, 137.544)

Have a look what the booklet for
CIELCh(84, 105.337, 137.544)
contains.

CIELCh(84, 105.038, 137.575)	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(84, 105.038, 137.575)

Conversions

Conversions Part 1

Format	Color
Hex	33F137
RGB	51, 241, 55
RGB Percent	20%, 95%, 22%
CMY	0.8017, 0.0537, 0.7829
CMYK	0.79, 0.00, 0.77, 0.05
HSL	122°, 87%, 57%
HSV	122°, 79%, 95%
XYZ	33.5888, 64.0658, 14.2542
YIQ	162.9860, -53.5340, -98.1260

Conversions

Conversions Part 2

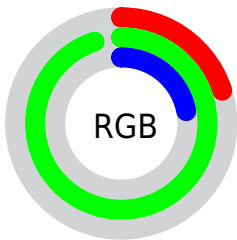
Format	Color
RYB	51, 237, 241
Decimal	3404087
CIELab	84.00, -77.53, 70.86
CIELCh	84, 105.038, 137.575
Yxy	64.0658, 0.3001, 0.5725
Android (android.graphics.Color)	4281594167 (0xFF33F137)
YUV	162.9860, -53.2371, -98.2117
Hunter-Lab	80.0411, -65.1653, 45.4700

Details

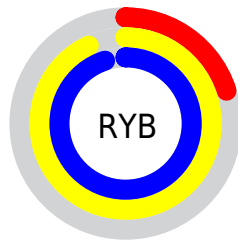
The CIELCh color **84, 105.038, 137.575** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **59, 101.726, 328.872**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 82.465, 137.645**, and **65, 93.360, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **84, 111.134, 136.697**, and if you desaturate by 10%, it is **85, 96.166, 138.686**.

Distribution



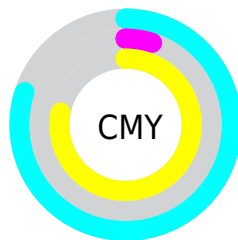
- Red (20%)
- Green (95%)
- Blue (22%)



- Red (20%)
- Yellow (93%)
- Blue (95%)



- Cyan (79%)
- Magenta (0%)
- Yellow (77%)
- Black (5%)





- Cyan (80%)
- Magenta (5%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 105.038, 137.575 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 84, 105.038, 137.575 by changing the saturation by 10% instead.


 84, 105.038,
137.575


 84, 105.038,
137.575


 100, 105.038,
137.575


 74, 105.038,
137.575


 64, 105.038,
137.575

 54, 105.038,
137.575

 44, 105.038,
137.575

 34, 105.038,
137.575

 24, 105.038,
137.575

 14, 105.038,

137.575

■ 4, 105.038,
137.575

■ 0, 105.038,
137.575

■ 84, 105.038,
137.575

■ 84, 105.038,
137.575

■ 84, 111.134,
136.697

■ 85, 96.166,
138.686

■ 84, 114.275,
136.187

■ 85, 85.040,
139.883

■ 83, 114.471,
136.162

■ 86, 72.238,
141.050

■ 88, 58.282,
142.122

■ 89, 43.616,
143.070

■ 91, 28.600,
143.890

■ 93, 13.515,
144.599

■ 95, 1.432, 324.955

■ 97, 8.529, 324.702

Harmonies

Complementary

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



84, 105.038, 137.575



59, 101.726, 328.872

Rectangle

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



84, 105.038, 137.575



84, 105.038, 187.575



84, 105.038, 317.575



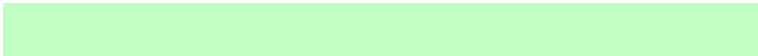
84, 105.038, 7.575

Sweetspot

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



84, 105.038, 137.576



95, 37.720, 143.493



92, 85.592, 104.299



50, 25.904, 143.192



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



84, 105.038, 137.576



88, 118.248, 136.322



85, 73.139, 154.208



49, 8.450, 144.570



65, 93.122, 136.221



19, 39.183, 138.242

Inverse Universe

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



59, 101.726, 328.872



60, 112.541, 329.202



55, 75.829, 356.452



47, 8.463, 325.622



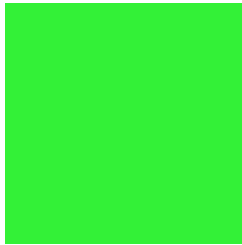
43, 88.543, 329.253



10, 38.758, 329.108

Previews

White Background



This preview shows how the CIELCh color 84, 105.038, 137.575 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 84, 105.038, 137.575 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 84, 105.038, 137.575

Background



This preview shows how black text looks on a background with the CIELCh color 84, 105.038, 137.575.

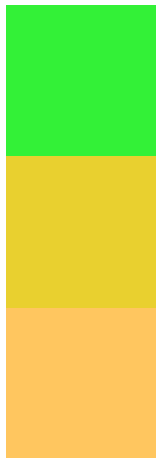


This preview shows how white text looks on a background with the CIELCh color 84, 105.038,

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

84, 104.963, 137.524

Protanopia

83, 76.111, 95.258

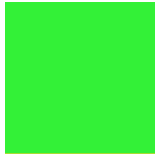
Deuteranopia

83, 58.964, 80.566



Tritanopia
84, 33.625, 213.948

Trichromacy



Original Color
84, 104.963, 137.524



Protanomaly
82, 81.900, 118.993

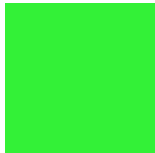


Deuteranomaly
81, 67.091, 116.270



Tritanomaly
83, 53.793, 162.627

Monochromacy



Original Color
84, 104.963, 137.524



Achromatopsia
67, 0.008, 296.813



Achromatomaly
71, 44.608, 142.566

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 105.038, 137.575 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, 241, 55)` looks like.

```
.text, #text, p{  
    color:rgb(51, 241, 55)  
}
```

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, 241, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 241, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 105.038, 137.575 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, 241, 55) }
```

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

```
.border{ border-color:rgb(51, 241, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 241, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 241, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 241, 55);  
box-shadow:4px 4px 4px 4px rgb(51, 241,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 105.038, 137.575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 241, 55) }
```

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

```
.background{ background-color: rgb(51, 241,  
55) }
```

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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