

Converting Colors

CIELCh(87, 108.771, 137.007)

Have a look what the booklet for
CIELCh(87, 108.771, 137.007)
contains.

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Color

CIELCh(87, 108.851, 137.023)

Conversions

Conversions Part 1

Format	Color
Hex	39FB36
RGB	57, 251, 54
RGB Percent	22%, 98%, 21%
CMY	0.7777, 0.0164, 0.7890
CMYK	0.77, 0.00, 0.79, 0.02
HSL	119°, 96%, 60%
HSV	119°, 79%, 98%
XYZ	36.7708, 70.0064, 15.0385
YIQ	170.5360, -52.3870, -102.3950

Conversions

Conversions Part 2

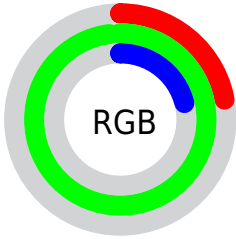
Format	Color
RYB	54, 251, 248
Decimal	3799862
CIELab	87.00, -79.64, 74.20
CIELCh	87, 108.851, 137.023
Yxy	70.0064, 0.3019, 0.5747
Android (android.graphics.Color)	4281989942 (0xFF39FB36)
YUV	170.5360, -57.4522, -99.5711
Hunter-Lab	83.6698, -67.9759, 47.9123

Details

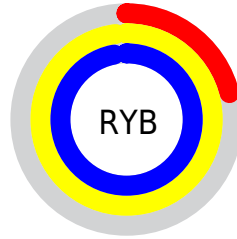
The CIELCh color **87, 108.851, 137.023** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **61, 106.329, 327.499**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 81.267, 137.034**, and **68, 97.132, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **87, 114.956, 136.344**, and if you desaturate by 10%, it is **88, 99.713, 137.984**.

Distribution



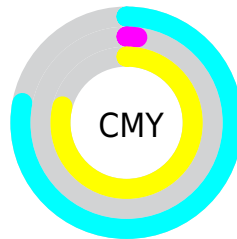
- Red (22%)
- Green (98%)
- Blue (21%)



- Red (21%)
- Yellow (98%)
- Blue (97%)



- Cyan (77%)
- Magenta (0%)
- Yellow (79%)
- Black (2%)





- Cyan (78%)
- Magenta (2%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 108.851, 137.023 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 87, 108.851, 137.023 by changing the saturation by 10% instead.


 87, 108.851,
137.023


 87, 108.851,
137.023


 100, 108.851,
137.023


 77, 108.851,
137.023


 67, 108.851,
137.023

 57, 108.851,
137.023

 47, 108.851,
137.023

 37, 108.851,
137.023

 27, 108.851,
137.023

 17, 108.851,

137.023

■ 7, 108.851,
137.023

■ 0, 108.851,
137.023

■ 87, 108.851,
137.023

■ 87, 108.851,
137.023

■ 87, 114.956,
136.344

■ 88, 99.713,
137.984

■ 86, 117.924,
136.015

■ 88, 88.125,
139.075

■ 86, 118.221,
135.975

■ 90, 74.738,
140.170

■ 91, 60.134,
141.191

■ 93, 44.796,
142.102

■ 94, 29.103,
142.895

■ 97, 13.349,
143.581

■ 99, 2.254, 323.996

■ 99, 2.601, 324.414

Harmonies

Complementary

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



87, 108.851, 137.023



61, 106.329, 327.499

Rectangle

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



87, 108.851, 137.023



87, 108.851, 187.023



87, 108.851, 317.023



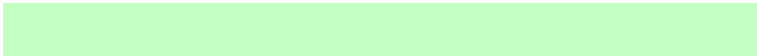
87, 108.851, 7.023

Sweetspot

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



87, 108.851, 137.024



95, 38.184, 142.476



95, 86.837, 102.521



50, 26.222, 142.184



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 108.851, 137.024



88, 118.407, 136.128



88, 77.559, 152.574



51, 8.852, 143.520



67, 95.437, 135.957



21, 42.352, 136.848

Inverse Universe

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



61, 106.329, 327.499



60, 114.572, 327.642



58, 78.844, 353.806



49, 8.867, 324.548



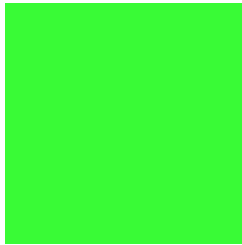
44, 92.213, 327.654



11, 41.718, 327.726

Previews

White Background



This preview shows how the CIE LCh color 87, 108.851, 137.023 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 87, 108.851, 137.023 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 87, 108.851, 137.023

Background



This preview shows how black text looks on a background with the CIELCh color 87, 108.851, 137.023.

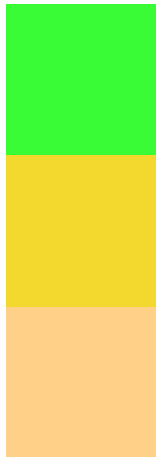


This preview shows how white text looks on a background with the CIELCh color 87, 108.851, 137.023.

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

87, 108.851, 137.023

Protanopia

86, 79.506, 94.933

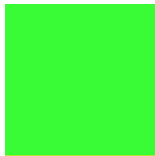
Deuteranopia

86, 42.567, 79.562



Tritanopia
87, 34.203, 214.491

Trichromacy



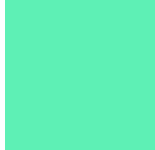
Original Color
87, 108.851, 137.023



Protanomaly
85, 85.467, 118.445

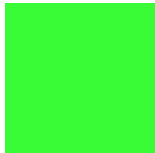


Deuteranomaly
84, 61.448, 120.831



Tritanomaly
86, 55.333, 162.015

Monochromacy



Original Color
87, 108.851, 137.023



Achromatopsia
70, 0.009, 296.813



Achromatomaly
74, 46.251, 141.523

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 108.851, 137.023 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(57, 251, 54)` looks like.

```
.text, #text, p{  
    color:rgb(57, 251, 54)  
}
```

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(57, 251, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 251, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 108.851, 137.023 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(57, 251, 54) }
```

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

```
.border{ border-color:rgb(57, 251, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 251, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 251, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 251, 54);  
box-shadow:4px 4px 4px 4px rgb(57, 251,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 108.851, 137.023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 251, 54) }
```

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

```
.background{ background-color: rgb(57, 251,  
54) }
```

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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