

Converting Colors

CIELCh(83, 100.892, 138.163)

Have a look what the booklet for
CIELCh(83, 100.892, 138.163)
contains.

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Color

CIELCh(83, 100.953, 138.227)

Conversions

Conversions Part 1

Format	Color
Hex	37EE40
RGB	55, 238, 64
RGB Percent	22%, 93%, 25%
CMY	0.7824, 0.0679, 0.7502
CMYK	0.77, 0.00, 0.73, 0.07
HSL	123°, 84%, 57%
HSV	123°, 77%, 93%
XYZ	33.0036, 62.1629, 15.0624
YIQ	163.4470, -53.2140, -92.9100

Conversions

Conversions Part 2

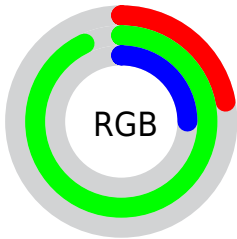
Format	Color
RYB	55, 229, 238
Decimal	3665472
CIELab	83.00, -75.29, 67.25
CIElCh	83, 100.953, 138.227
Yxy	62.1629, 0.2994, 0.5639
Android (android.graphics.Color)	4281855552 (0xFF37EE40)
YUV	163.4470, -49.0274, -95.1080
Hunter-Lab	78.8435, -63.2567, 43.8636

Details

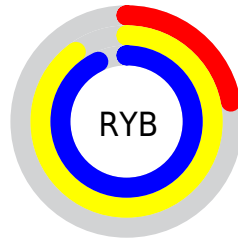
The CIELCh color **83, 100.953, 138.227** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **59, 97.646, 329.515**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 79.640, 138.723**, and **64, 92.221, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **83, 107.901, 137.174**, and if you desaturate by 10%, it is **84, 91.521, 139.440**.

Distribution



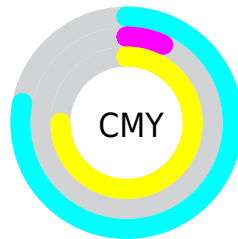
- Red (22%)
- Green (93%)
- Blue (25%)



- Red (22%)
- Yellow (90%)
- Blue (93%)



- Cyan (77%)
- Magenta (0%)
- Yellow (73%)
- Black (7%)





- Cyan (78%)
- Magenta (7%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 100.953, 138.227 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 83, 100.953, 138.227 by changing the saturation by 10% instead.


 83, 100.953,
138.227


 83, 100.953,
138.227


 100, 100.953,
138.227


 73, 100.953,
138.227


 63, 100.953,
138.227

 53, 100.953,
138.227

 43, 100.953,
138.227

 33, 100.953,
138.227

 23, 100.953,
138.227

 13, 100.953,

138.227

■ 3, 100.953,
138.227

■ 0, 100.953,
138.227

■ 83, 100.953,
138.227

■ 83, 100.953,
138.227

■ 83, 107.901,
137.174

■ 84, 91.521,
139.440

■ 82, 112.032,
136.419

■ 84, 80.121,
140.676

■ 82, 112.840,
136.283

■ 86, 67.273,
141.845

■ 87, 53.446,
142.898

■ 89, 39.035,
143.820

■ 90, 24.364,
144.616

■ 92, 9.681, 145.309

■ 95, 4.828, 325.786

■ 96, 10.792,
324.788

Harmonies

Complementary

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



83, 100.953, 138.227



59, 97.646, 329.515

Rectangle

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



83, 100.953, 138.227



83, 100.953, 188.227



83, 100.953, 318.227



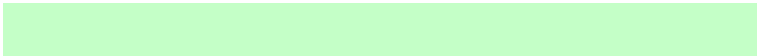
83, 100.953, 8.227

Sweetspot

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



83, 100.953, 138.228



95, 35.656, 144.118



91, 83.098, 105.287



50, 24.675, 143.816



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 100.953, 138.228



88, 116.643, 136.699



84, 69.575, 155.588



49, 8.335, 145.121



65, 92.755, 136.383



19, 38.789, 138.602

Inverse Universe

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



59, 97.646, 329.515



60, 110.244, 329.963



55, 73.360, 357.021



47, 8.349, 326.180



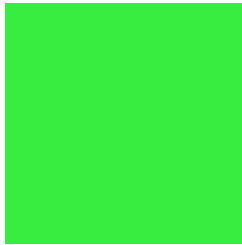
43, 87.166, 330.107



10, 38.239, 329.835

Previews

White Background



This preview shows how the CIELCh color 83, 100.953, 138.227 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 83, 100.953, 138.227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

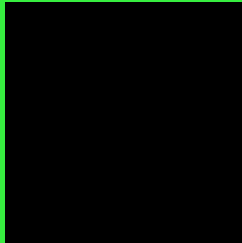
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 100.953, 138.227

Background



This preview shows how black text looks on a background with the CIELCh color 83, 100.953, 138.227.

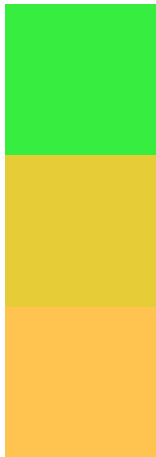


This preview shows how white text looks on a background with the CIELCh color 83, 100.953,

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

83, 101.037, 138.284

Protanopia

82, 72.648, 95.092

Deuteranopia

82, 64.661, 80.779



Tritanopia
83, 32.813, 214.446

Trichromacy



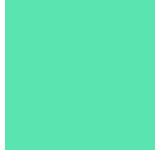
Original Color
83, 101.037, 138.284



Protanomaly
81, 78.190, 119.052



Deuteranomaly
80, 68.325, 114.532



Tritanomaly
82, 51.565, 163.784

Monochromacy



Original Color
83, 101.037, 138.284



Achromatopsia
67, 0.008, 296.813



Achromatomaly
71, 42.274, 143.142

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 100.953, 138.227 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(55, 238, 64)` looks like.

```
.text, #text, p{  
    color:rgb(55, 238, 64)  
}
```

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(55, 238, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 238, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 100.953, 138.227 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(55, 238, 64) }
```

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

```
.border{ border-color:rgb(55, 238, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 238, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 238, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 238, 64);  
box-shadow:4px 4px 4px 4px rgb(55, 238,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 100.953, 138.227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 238, 64) }
```

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

```
.background{ background-color: rgb(55, 238,  
64) }
```

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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