

Converting Colors

CIELCh(83, 106.827, 138.842)

Have a look what the booklet for
CIELCh(83, 106.827, 138.842)
contains.

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Color

CIELCh(83, 106.523, 138.855)

Conversions

Conversions Part 1

Format	Color
Hex	02EF36
RGB	2, 239, 54
RGB Percent	1%, 94%, 21%
CMY	0.9936, 0.0617, 0.7871
CMYK	0.99, 0.00, 0.77, 0.06
HSL	133°, 99%, 47%
HSV	133°, 99%, 94%
XYZ	31.6348, 62.1629, 13.8573
YIQ	147.0470, -81.8670, -107.7790

Conversions

Conversions Part 2

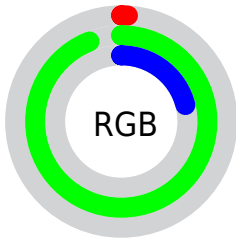
Format	Color
R_{YB}	2, 196, 239
Decimal	192310
CIE _{Lab}	83.00, -80.22, 70.09
CIE _{LCh}	83, 106.523, 138.855
Yxy	62.1629, 0.2939, 0.5774
Android (android.graphics.Color)	4278382390 (0xFF02EF36)
YUV	147.0470, -45.8722, -127.2062
Hunter-Lab	78.8435, -66.3555, 44.7698

Details

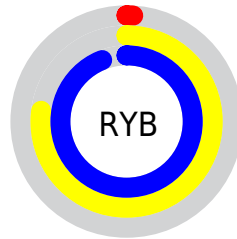
The CIELCh color **83, 106.523, 138.855** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **54, 92.553, 339.644**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 85.368, 139.694**, and **64, 92.601, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **83, 106.861, 138.756**, and if you desaturate by 10%, it is **83, 100.837, 140.520**.

Distribution



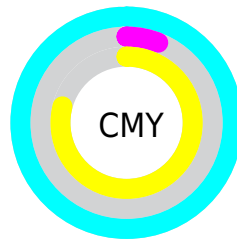
- Red (1%)
- Green (94%)
- Blue (21%)



- Red (1%)
- Yellow (77%)
- Blue (94%)



- Cyan (99%)
- Magenta (0%)
- Yellow (77%)
- Black (6%)





- Cyan (99%)
- Magenta (6%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 106.523, 138.855 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, 106.523, 138.855 by changing the saturation by 10% instead.


 83, 106.523,
138.855


 83, 106.523,
138.855


 100, 106.523,
138.855


 73, 106.523,
138.855

 63, 106.523,
138.855

 53, 106.523,
138.855

 43, 106.523,
138.855

 33, 106.523,
138.855

 23, 106.523,
138.855

 13, 106.523,

138.855

■ 3, 106.523,
138.855

■ 0, 106.523,
138.855

■ 83, 106.523,
138.855

■ 83, 106.523,
138.855

■ 83, 106.861,
138.756

■ 83, 100.837,
140.520

■ 84, 93.464,
142.254

■ 84, 84.520,
143.918

■ 85, 74.230,
145.446

■ 86, 62.860,
146.807

■ 87, 50.696,
147.999

■ 89, 38.011,
149.032

■ 91, 25.055,
149.925

■ 93, 12.034,
150.706

Harmonies

Complementary

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



83, 106.523, 138.855



54, 92.553, 339.644

Rectangle

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



83, 106.523, 138.855



83, 106.523, 188.855



83, 106.523, 318.855



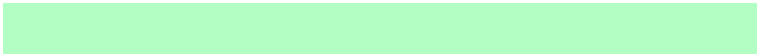
83, 106.523, 8.855

Sweetspot

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



83, 106.523, 138.856



94, 40.952, 148.956



88, 95.083, 115.746



49, 27.888, 148.532



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, 106.523, 138.856



88, 112.299, 138.697



84, 66.092, 162.970



49, 7.352, 150.693



65, 87.010, 139.051



19, 35.335, 142.212

Inverse Universe

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



54, 92.553, 339.644



57, 97.094, 339.782



51, 84.463, 23.255



47, 7.378, 331.870



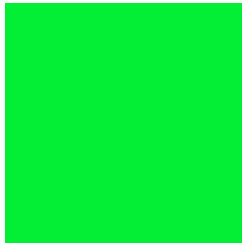
41, 76.111, 339.495



9, 33.988, 337.598

Previews

White Background



This preview shows how the CIE LCh color 83, 106.523, 138.855 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 83, 106.523, 138.855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

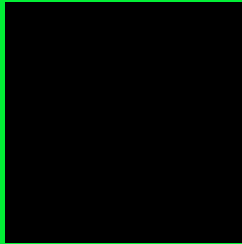
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

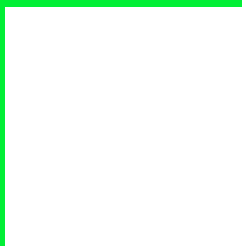
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 106.523, 138.855

Background



This preview shows how black text looks on a background with the CIELCh color 83, 106.523, 138.855.

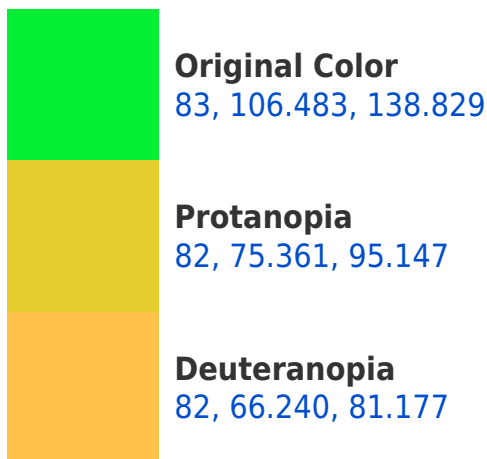


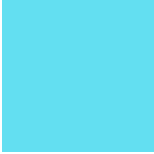
This preview shows how white text looks on a background with the CIELCh color 83, 106.523, 138.855.

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](#).

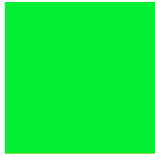
Dichromacy





Tritanopia
83, 35.027, 213.203

Trichromacy



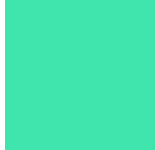
Original Color
83, 106.483, 138.829



Protanomaly
80, 83.411, 123.353



Deuteranomaly
79, 72.482, 119.964



Tritanomaly
82, 56.886, 164.300

Monochromacy



Original Color
83, 106.483, 138.829



Achromatopsia
61, 0.008, 296.813



Achromatomaly
67, 49.100, 146.962

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 106.523, 138.855 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(2, 239, 54)` looks like.

```
.text, #text, p{  
    color:rgb(2, 239, 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(2, 239, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 239, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 106.523, 138.855 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(2, 239, 54) }
```

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

```
.border{ border-color:rgb(2, 239, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 239, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 239, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 239, 54);  
box-shadow:4px 4px 4px 4px rgb(2, 239, 54)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 83, 106.523, 138.855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 239, 54) }
```

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

```
.background{ background-color: rgb(2, 239,  
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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