

Converting Colors

CIELCh(83, 102.301, 140.675)

Have a look what the booklet for
CIELCh(83, 102.301, 140.675)
contains.

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Color

CIELCh(83, 102.266, 140.594)

Conversions

Conversions Part 1

Format	Color
Hex	00EF46
RGB	0, 239, 70
RGB Percent	0%, 94%, 27%
CMY	1.0000, 0.0628, 0.7255
CMYK	1.00, 0.00, 0.71, 0.06
HSL	138°, 100%, 47%
HSV	138°, 100%, 94%
XYZ	31.9644, 62.1629, 16.1049
YIQ	148.2730, -88.1950, -103.2270

Conversions

Conversions Part 2

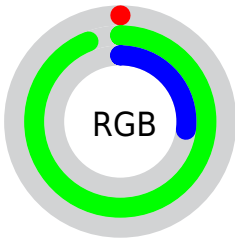
Format	Color
RYB	0, 185, 239
Decimal	61254
CIELab	83.00, -79.02, 64.92
CIELCh	83, 102.266, 140.594
Yxy	62.1629, 0.2900, 0.5639
Android (android.graphics.Color)	4278251334 (0xFF00EF46)
YUV	148.2730, -38.5886, -130.0354
Hunter-Lab	78.8435, -65.6093, 43.0796

Details

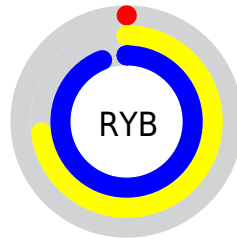
The CIELCh color **83, 102.266, 140.594** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **53, 88.021, 344.708**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 80.638, 142.197**, and **64, 92.601, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **83, 102.264, 140.593**, and if you desaturate by 10%, it is **83, 96.390, 142.507**.

Distribution



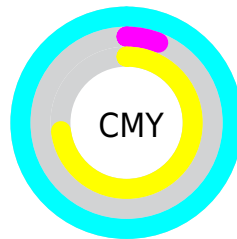
- Red (0%)
- Green (94%)
- Blue (27%)



- Red (0%)
- Yellow (73%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (71%)
- Black (6%)





- Cyan (100%)
- Magenta (6%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 102.266, 140.594 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, 102.266, 140.594 by changing the saturation by 10% instead.


 83, 102.266,
140.594


 83, 102.266,
140.594


 100, 102.266,
140.594


 73, 102.266,
140.594

 63, 102.266,
140.594

 53, 102.266,
140.594

 43, 102.266,
140.594

 33, 102.266,
140.594

 23, 102.266,
140.594

 13, 102.266,

140.594

■ 3, 102.266,
140.594

■ 0, 102.266,
140.594

■ 83, 102.266,
140.594

■ 83, 102.266,
140.594

■ 83, 102.264,
140.593

■ 83, 96.390,
142.507

■ 84, 89.184,
144.421

■ 84, 80.652,
146.207

■ 85, 70.934,
147.818

■ 86, 60.232,
149.241

■ 87, 48.781,
150.483

■ 89, 36.823,
151.561

■ 90, 24.583,
152.498

■ 92, 12.254,
153.324

Harmonies

Complementary

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



83, 102.266, 140.594



53, 88.021, 344.708

Rectangle

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



83, 102.266, 140.594



83, 102.266, 190.594



83, 102.266, 320.594



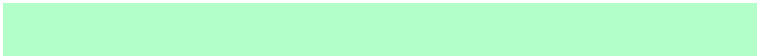
83, 102.266, 10.594

Sweetspot

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



83, 102.264, 140.593



94, 38.810, 151.551



87, 96.963, 119.290



49, 26.423, 151.112



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, 102.264, 140.593



88, 107.590, 140.522



85, 60.740, 168.850



49, 6.978, 153.365



65, 83.255, 140.939



20, 33.673, 144.313

Inverse Universe

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



53, 88.021, 344.708



57, 92.389, 344.785



50, 88.253, 29.156



47, 7.012, 334.613



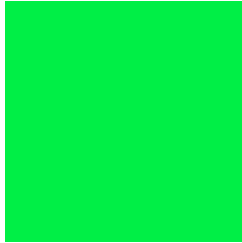
41, 72.463, 344.350



9, 32.511, 341.498

Previews

White Background



This preview shows how the CIE LCh color 83, 102.266, 140.594 looks on a white background.

Color Contrast Check

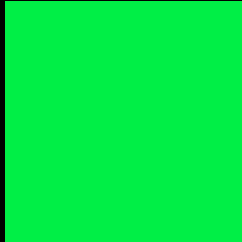
Large Text (above 18pt) WCAG AA × Fail

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, 102.266, 140.594 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, 102.266, 140.594

Background



This preview shows how black text looks on a background with the CIELCh color 83, 102.266, 140.594.

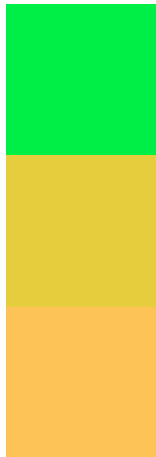


This preview shows how white text looks on a background with the CIELCh color 83, 102.266, 140.594.

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

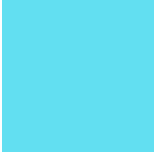
83, 102.266, 140.594

Protanopia

82, 70.566, 95.390

Deuteranopia

82, 62.017, 80.467



Tritanopia
83, 35.199, 213.113

Trichromacy



Original Color
83, 102.266, 140.594



Protanomaly
80, 79.055, 125.023



Deuteranomaly
79, 68.098, 121.628



Tritanomaly
82, 55.064, 167.015

Monochromacy



Original Color
83, 102.266, 140.594



Achromatopsia
61, 0.008, 296.813



Achromatomaly
67, 46.166, 149.829

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 102.266, 140.594 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(0, 239, 70)` looks like.

```
.text, #text, p{  
    color:rgb(0, 239, 70)  
}
```

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(0, 239, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 239, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 102.266, 140.594 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(0, 239, 70) }
```

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

```
.border{ border-color:rgb(0, 239, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 239, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 239, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 239, 70);  
box-shadow:4px 4px 4px 4px rgb(0, 239, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 83, 102.266, 140.594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 239, 70) }
```

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

```
.background{ background-color: rgb(0, 239,  
70) }
```

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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