

Converting Colors

CIELCh(83, 97.614, 141.042)

Have a look what the booklet for
CIELCh(83, 97.614, 141.042)
contains.

CIELCh(83, 97.488, 141.114)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(83, 97.488, 141.114)

Conversions

Conversions Part 1

Format	Color
Hex	26EE50
RGB	38, 238, 80
RGB Percent	15%, 93%, 31%
CMY	0.8507, 0.0665, 0.6861
CMYK	0.84, 0.00, 0.66, 0.07
HSL	133°, 85%, 54%
HSV	133°, 84%, 93%
XYZ	32.8364, 62.1629, 17.8643
YIQ	160.1880, -68.4820, -91.5380

Conversions

Conversions Part 2

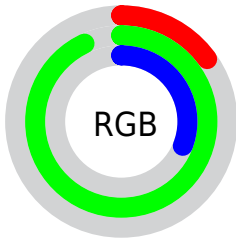
Format	Color
R _Y B	38, 203, 238
Decimal	2551376
CIE Lab	83.00, -75.88, 61.20
CIE LCh	83, 97.488, 141.114
Yxy	62.1629, 0.2909, 0.5508
Android (android.graphics.Color)	4280741456 (0xFF26EE50)
YUV	160.1880, -39.5327, -107.1589
Hunter-Lab	78.8435, -63.6353, 41.7566

Details

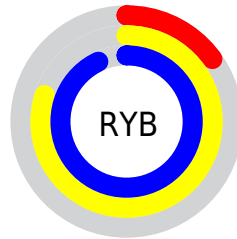
The CIELCh color **83, 97.488, 141.114** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **56, 90.663, 337.178**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 75.721, 142.829**, and **64, 90.860, 136.628** is the 20% darker color. If you saturate the color by 10%, you get **83, 103.999, 139.427**, and if you desaturate by 10%, it is **83, 89.271, 142.794**.

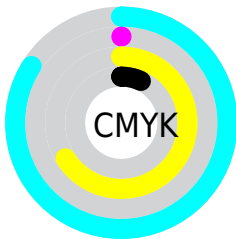
Distribution



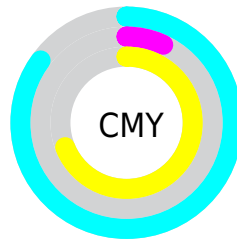
- Red (15%)
- Green (93%)
- Blue (31%)



- Red (15%)
- Yellow (80%)
- Blue (93%)



- Cyan (84%)
- Magenta (0%)
- Yellow (66%)
- Black (7%)





- Cyan (85%)
- Magenta (7%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 97.488, 141.114 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, 97.488, 141.114 by changing the saturation by 10% instead.


 83, 97.488,
141.114


 83, 97.488,
141.114


 100, 97.488,
141.114


 73, 97.488,
141.114

 63, 97.488,
141.114

 53, 97.488,
141.114

 43, 97.488,
141.114

 33, 97.488,
141.114

 23, 97.488,
141.114

 13, 97.488,

141.114

■ 3, 97.488, 141.114

■ 0, 97.488, 141.114

■ 83, 97.488,
141.114

■ 83, 97.488,
141.114

■ 83, 103.999,
139.427

■ 83, 89.271,
142.794

■ 83, 107.087,
138.504


■ 84, 79.562,
144.374


■ 85, 68.623,
145.804

■ 86, 56.742,
147.066

■ 88, 44.208,

148.165

 89, 31.289,
149.115

 91, 18.215,
149.938

 93, 5.170, 150.689

 95, 7.704, 331.182

Harmonies

Complementary

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



83, 97.488, 141.114



56, 90.663, 337.178

Rectangle

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



83, 97.488, 141.114



83, 97.488, 191.114



83, 97.488, 321.114



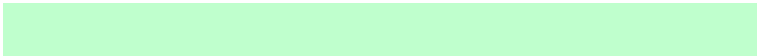
83, 97.488, 11.114

Sweetspot

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



83, 97.488, 141.114



95, 34.459, 149.018



89, 89.181, 113.912



50, 23.497, 148.694



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, 97.488, 141.114



88, 112.980, 138.442



84, 61.922, 164.867



49, 7.415, 150.278



65, 87.561, 138.785



19, 35.583, 141.921

Inverse Universe

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



56, 90.663, 337.178



58, 97.946, 339.021



52, 76.465, 13.690



47, 7.440, 331.444



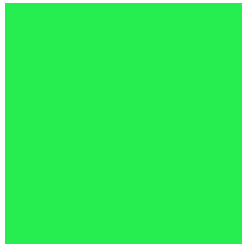
42, 76.768, 338.756



9, 34.248, 336.999

Previews

White Background



This preview shows how the CIELCh color 83, 97.488, 141.114 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, 97.488, 141.114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

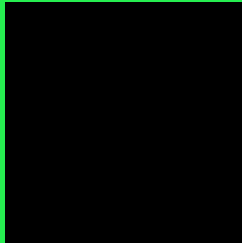
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 97.488, 141.114

Background



This preview shows how black text looks on a background with the CIELCh color 83, 97.488, 141.114.

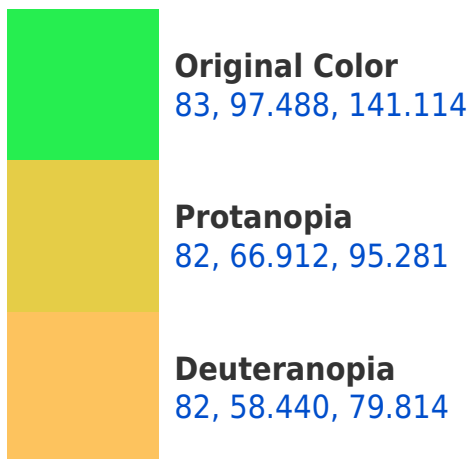


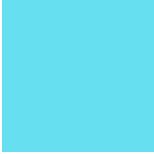
This preview shows how white text looks on a background with the CIELCh color 83, 97.488, 141.114.

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, 34.500, 213.483

Trichromacy



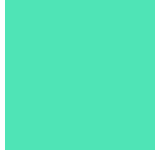
Original Color
83, 97.488, 141.114



Protanomaly
81, 73.628, 122.546

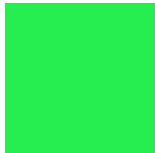


Deuteranomaly
80, 62.931, 118.465



Tritanomaly
82, 51.293, 167.612

Monochromacy



Original Color
83, 97.488, 141.114



Achromatopsia
66, 0.008, 296.813



Achromatomaly
70, 41.054, 147.722

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 97.488, 141.114 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(38, 238, 80)` looks like.

```
.text, #text, p{  
    color:rgb(38, 238, 80)  
}
```

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(38, 238, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 238, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 97.488, 141.114 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(38, 238, 80) }
```

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

```
.border{ border-color:rgb(38, 238, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 238, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 238, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 238, 80);  
box-shadow:4px 4px 4px 4px rgb(38, 238,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 97.488, 141.114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 238, 80) }
```

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

```
.background{ background-color: rgb(38, 238,  
80) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor