

Converting Colors

CIELCh(80, 98.564, 137.365)

Have a look what the booklet for
CIELCh(80, 98.564, 137.365)
contains.

CIELCh(80, 98.640, 137.371)	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(80, 98.640, 137.371)

Conversions

Conversions Part 1

Format	Color
Hex	3AE438
RGB	58, 228, 56
RGB Percent	23%, 89%, 22%
CMY	0.7724, 0.1058, 0.7803
CMYK	0.75, 0.00, 0.75, 0.11
HSL	119°, 76%, 56%
HSV	119°, 75%, 89%
XYZ	30.2082, 56.6813, 13.0918
YIQ	157.5620, -46.1080, -89.5320

Conversions

Conversions Part 2

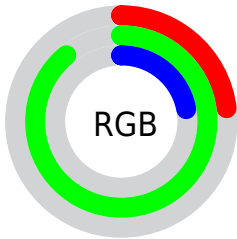
Format	Color
RYB	56, 228, 226
Decimal	3859512
CIELab	80.00, -72.57, 66.80
CIELCh	80, 98.640, 137.371
Yxy	56.6813, 0.3021, 0.5669
Android (android.graphics.Color)	4282049592 (0xFF3AE438)
YUV	157.5620, -50.0701, -87.3159
Hunter-Lab	75.2870, -60.1307, 42.3908

Details

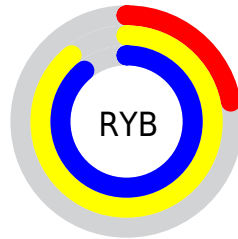
The CIELCh color **80, 98.640, 137.371** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **57, 96.587, 327.532**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 82.678, 137.324**, and **61, 88.783, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **80, 105.319, 136.569**, and if you desaturate by 10%, it is **81, 89.330, 138.400**.

Distribution



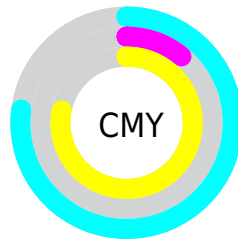
- Red (23%)
- Green (89%)
- Blue (22%)



- Red (22%)
- Yellow (89%)
- Blue (89%)



- Cyan (75%)
- Magenta (0%)
- Yellow (75%)
- Black (11%)





- Cyan (77%)
- Magenta (11%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 98.640, 137.371 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 80, 98.640, 137.371 by changing the saturation by 10% instead.


 80, 98.640,
137.371


 80, 98.640,
137.371


 100, 98.640,
137.371


 70, 98.640,
137.371

 60, 98.640,
137.371

 50, 98.640,
137.371

 40, 98.640,
137.371

 30, 98.640,
137.371

 20, 98.640,
137.371

 10, 98.640,

137.371

■ 0, 98.640, 137.371

■ 80, 98.640,
137.371

■ 80, 98.640,
137.371

■ 80, 105.319,
136.569

■ 81, 89.330,
138.400

■ 79, 109.027,
136.116

■ 81, 77.967,
139.508

■ 79, 110.012,
135.979

■ 83, 65.136,
140.586

■ 84, 51.338,
141.573

■ 86, 36.987,
142.445

■ 87, 22.403,
143.201

■ 89, 7.833, 143.863

■ 92, 6.548, 324.325

■ 93, 16.865,
325.009

Harmonies

Complementary

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



80, 98.640, 137.371



57, 96.587, 327.532

Rectangle

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



80, 98.640, 137.371



80, 98.640, 187.371



80, 98.640, 317.371



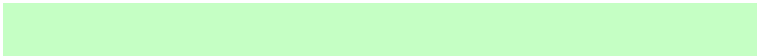
80, 98.640, 7.371

Sweetspot

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



80, 98.640, 137.372



95, 36.628, 142.628



87, 78.574, 102.720



50, 25.347, 142.335



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 98.640, 137.372



88, 117.468, 136.246



81, 69.817, 153.270



47, 8.262, 143.603



63, 91.587, 135.966



17, 36.655, 138.632

Inverse Universe

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



57, 96.587, 327.532



60, 113.777, 327.744



53, 71.637, 352.889



45, 8.276, 324.625



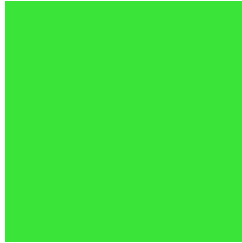
42, 88.470, 327.773



8, 37.123, 327.844

Previews

White Background



This preview shows how the CIE LCh color 80, 98.640, 137.371 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 80, 98.640, 137.371 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 80, 98.640, 137.371

Background



This preview shows how black text looks on a background with the CIELCh color 80, 98.640, 137.371.

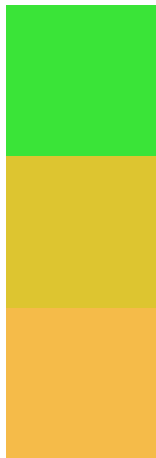


This preview shows how white text looks on a background with the CIELCh color 80, 98.640, 137.371.

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

80, 98.640, 137.371

Protanopia

79, 71.916, 95.154

Deuteranopia

79, 64.089, 81.028



Tritanopia
80, 31.257, 214.459

Trichromacy



Original Color
80, 98.640, 137.371



Protanomaly
78, 76.793, 118.125



Deuteranomaly
77, 67.236, 113.245



Tritanomaly
79, 49.510, 162.750

Monochromacy



Original Color
80, 98.640, 137.371



Achromatopsia
65, 0.008, 296.813



Achromatomaly
69, 41.048, 141.657

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 98.640, 137.371 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(58, 228, 56)` looks like.

```
.text, #text, p{  
    color:rgb(58, 228, 56)  
}
```

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(58, 228, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 228, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 98.640, 137.371 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(58, 228, 56) }
```

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

```
.border{ border-color:rgb(58, 228, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 228, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 228, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 228, 56);  
box-shadow:4px 4px 4px 4px rgb(58, 228,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 98.640, 137.371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 228, 56) }
```

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

```
.background{ background-color: rgb(58, 228,  
56) }
```

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