

Converting Colors

CIELCh(80, 101.297, 137.746)

Have a look what the booklet for
CIELCh(80, 101.297, 137.746)
contains.

CIELCh(80, 101.291, 137.798)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(80, 101.291, 137.798)

Conversions

Conversions Part 1

Format	Color
Hex	2BE534
RGB	43, 229, 52
RGB Percent	17%, 90%, 20%
CMY	0.8329, 0.1027, 0.7969
CMYK	0.81, 0.00, 0.77, 0.10
HSL	123°, 78%, 53%
HSV	123°, 81%, 90%
XYZ	29.5597, 56.6813, 12.6053
YIQ	153.2080, -54.0390, -94.4790

Conversions

Conversions Part 2

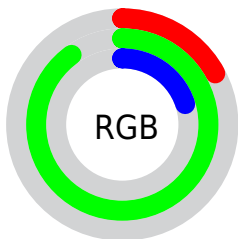
Format	Color
RYB	43, 220, 229
Decimal	2876724
CIELab	80.00, -75.03, 68.04
CIELCh	80, 101.291, 137.798
Yxy	56.6813, 0.2990, 0.5734
Android (android.graphics.Color)	4281066804 (0xFF2BE534)
YUV	153.2080, -49.8955, -96.6524
Hunter-Lab	75.2870, -61.6684, 42.7739

Details

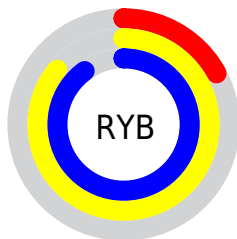
The CIELCh color **80, 101.291, 137.798** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **56, 97.225, 329.820**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 85.078, 137.997**, and **61, 89.167, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **80, 106.863, 136.841**, and if you desaturate by 10%, it is **80, 93.161, 138.972**.

Distribution



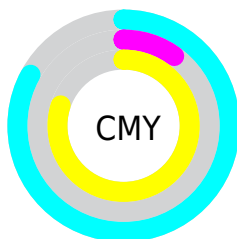
- Red (17%)
- Green (90%)
- Blue (20%)



- Red (17%)
- Yellow (86%)
- Blue (90%)



- Cyan (81%)
- Magenta (0%)
- Yellow (77%)
- Black (10%)





- Cyan (83%)
- Magenta (10%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 101.291, 137.798 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, 101.291, 137.798 by changing the saturation by 10% instead.


 80, 101.291,
137.798


 80, 101.291,
137.798


 100, 101.291,
137.798


 70, 101.291,
137.798


 60, 101.291,
137.798

 50, 101.291,
137.798

 40, 101.291,
137.798

 30, 101.291,
137.798

 20, 101.291,
137.798

 10, 101.291,

137.798

■ 0, 101.291,
137.798

■ 80, 101.291,
137.798

■ 80, 101.291,
137.798

■ 80, 106.863,
136.841

■ 80, 93.161,
138.972

■ 80, 109.533,
136.323

■ 81, 82.918,
140.219

■ 82, 71.066,
141.430

■ 83, 58.078,
142.541

■ 85, 44.363,
143.524

■ 87, 30.263,
144.377

■ 88, 16.048,
145.112

■ 91, 1.925, 145.866

■ 93, 11.961,
326.210

Harmonies

Complementary

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



80, 101.291, 137.798



56, 97.225, 329.820

Rectangle

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



80, 101.291, 137.798



80, 101.291, 187.798



80, 101.291, 317.798



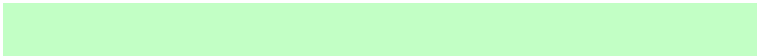
80, 101.291, 7.798

Sweetspot

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



80, 101.291, 137.799



95, 37.098, 144.154



88, 83.442, 105.124



50, 25.478, 143.851



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, 101.291, 137.799



88, 118.516, 136.364



81, 70.355, 154.669



47, 8.018, 145.243



63, 90.729, 136.431



17, 35.858, 139.672

Inverse Universe

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



56, 97.225, 329.820



60, 110.849, 330.290



52, 73.400, 358.430



45, 8.032, 326.298



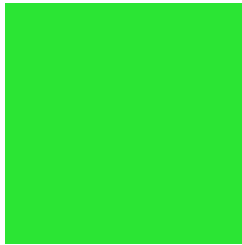
42, 85.083, 330.290



8, 35.917, 329.958

Previews

White Background



This preview shows how the CIELCh color 80, 101.291, 137.798 looks on a white background.

Color Contrast Check

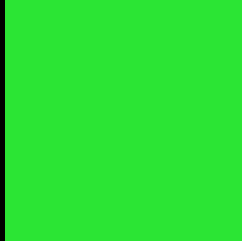
Large Text (above 18pt) WCAG AA × Fail

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 80, 101.291, 137.798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

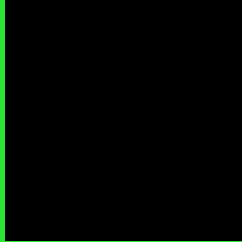
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 101.291, 137.798

Background



This preview shows how black text looks on a background with the CIELCh color 80, 101.291, 137.798.

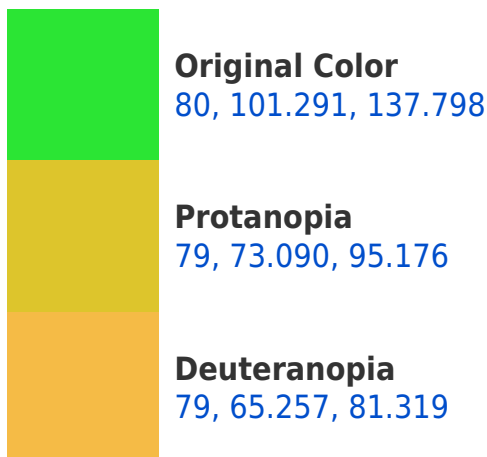


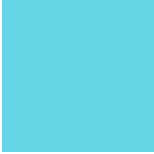
This preview shows how white text looks on a background with the CIELCh color 80, 101.291, 137.798.

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
80, 32.420, 213.762

Trichromacy



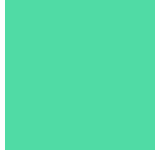
Original Color
80, 101.291, 137.798



Protanomaly
78, 79.105, 119.666

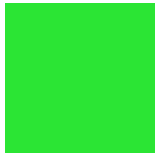


Deuteranomaly
77, 69.190, 114.964



Tritanomaly
79, 52.423, 162.596

Monochromacy



Original Color
80, 101.291, 137.798



Achromatopsia
63, 0.008, 296.813



Achromatomaly
68, 43.910, 142.846

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 101.291, 137.798 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(43, 229, 52)` looks like.

```
.text, #text, p{  
    color:rgb(43, 229, 52)  
}
```

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(43, 229, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 229, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 101.291, 137.798 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(43, 229, 52) }
```

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

```
.border{ border-color:rgb(43, 229, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 229, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 229, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 229, 52);  
box-shadow:4px 4px 4px 4px rgb(43, 229,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 101.291, 137.798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 229, 52) }
```

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

```
.background{ background-color: rgb(43, 229,  
52) }
```

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