

Converting Colors

CIELCh(81, 97.056, 137.200)

Have a look what the booklet for
CIELCh(81, 97.056, 137.200)
contains.

CIELCh(81, 96.775, 137.209)	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(81, 96.775, 137.209)

Conversions

Conversions Part 1

Format	Color
Hex	46E63E
RGB	70, 230, 62
RGB Percent	27%, 90%, 24%
CMY	0.7271, 0.0963, 0.7551
CMYK	0.70, 0.00, 0.73, 0.10
HSL	117°, 77%, 57%
HSV	117°, 73%, 90%
XYZ	31.7937, 58.4711, 14.2319
YIQ	163.0080, -41.4320, -86.1680

Conversions

Conversions Part 2

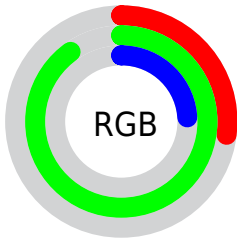
Format	Color
RYB	62, 230, 222
Decimal	4646462
CIELab	81.00, -71.02, 65.74
CIELCh	81, 96.775, 137.209
Yxy	58.4711, 0.3043, 0.5595
Android (android.graphics.Color)	4282836542 (0xFF46E63E)
YUV	163.0080, -49.7969, -81.5680
Hunter-Lab	76.4664, -59.5983, 42.4914

Details

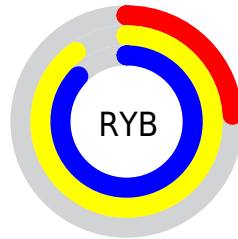
The CIELCh color **81, 96.775, 137.209** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **57, 95.329, 326.462**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 79.456, 136.893**, and **62, 89.550, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **81, 104.349, 136.455**, and if you desaturate by 10%, it is **82, 86.740, 138.166**.

Distribution



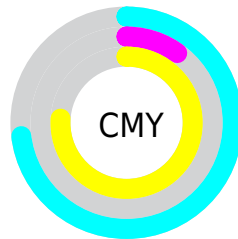
- Red (27%)
- Green (90%)
- Blue (24%)



- Red (24%)
- Yellow (90%)
- Blue (87%)



- Cyan (70%)
- Magenta (0%)
- Yellow (73%)
- Black (10%)





- Cyan (73%)
- Magenta (10%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 96.775, 137.209 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 81, 96.775, 137.209 by changing the saturation by 10% instead.


 81, 96.775,
137.209


 81, 96.775,
137.209


 100, 96.775,
137.209


 71, 96.775,
137.209


 61, 96.775,
137.209

 51, 96.775,
137.209

 41, 96.775,
137.209

 31, 96.775,
137.209

 21, 96.775,
137.209

 11, 96.775,

137.209

■ 1, 96.775, 137.209

■ 0, 96.775, 137.209

■ 81, 96.775,
137.209

■ 81, 96.775,
137.209

■ 81, 104.349,
136.455

■ 82, 86.740,
138.166

■ 80, 109.006,
136.032

■ 83, 74.850,
139.188


■ 80, 110.740,
135.882


■ 84, 61.674,
140.177


■ 85, 47.684,
141.082


■ 87, 33.254,

141.882

 89, 18.675,
142.577

 91, 4.162, 143.217

 93, 10.133,
323.622

 94, 15.349,
324.954

Harmonies

Complementary

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



81, 96.775, 137.209



57, 95.329, 326.462

Rectangle

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



81, 96.775, 137.209



81, 96.775, 187.209



81, 96.775, 317.209



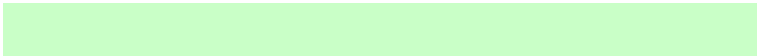
81, 96.775, 7.209

Sweetspot

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



81, 96.775, 137.210



95, 34.683, 141.939



87, 75.533, 101.072



50, 23.306, 141.734



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 96.775, 137.210



88, 115.368, 136.214



82, 70.778, 152.141



47, 8.179, 142.796



63, 91.419, 135.832



17, 36.378, 138.101

Inverse Universe

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



57, 95.329, 326.462



60, 112.404, 326.607



55, 71.874, 349.967



45, 8.197, 323.776



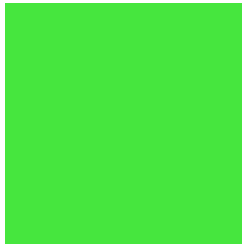
41, 88.617, 326.567



8, 37.172, 326.822

Previews

White Background



This preview shows how the CIELCh color 81, 96.775, 137.209 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 81, 96.775, 137.209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

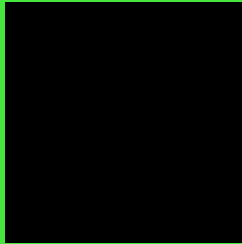
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

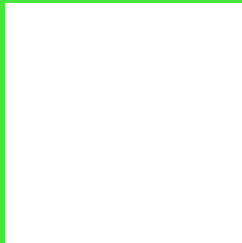
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 96.775, 137.209

Background



This preview shows how black text looks on a background with the CIELCh color 81, 96.775, 137.209.

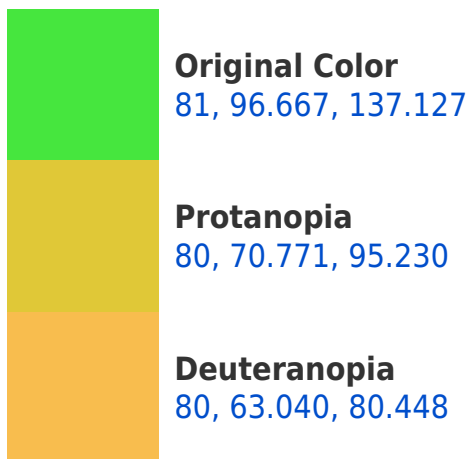


This preview shows how white text looks on a background with the CIELCh color 81, 96.775, 137.209.

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
81, 30.471, 214.938

Trichromacy



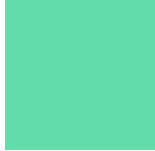
Original Color
81, 96.667, 137.127



Protanomaly
79, 75.324, 117.573



Deuteranomaly
78, 65.820, 112.083



Tritanomaly
80, 48.571, 162.241

Monochromacy



Original Color
81, 96.667, 137.127



Achromatopsia
67, 0.008, 296.813



Achromatomaly
71, 40.445, 140.970

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 96.775, 137.209 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(70, 230, 62)` looks like.

```
.text, #text, p{  
    color:rgb(70, 230, 62)  
}
```

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(70, 230, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 230, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 96.775, 137.209 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(70, 230, 62) }
```

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

```
.border{ border-color:rgb(70, 230, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 230, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 230, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 230, 62);  
box-shadow:4px 4px 4px 4px rgb(70, 230,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 96.775, 137.209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 230, 62) }
```

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

```
.background{ background-color: rgb(70, 230,  
62) }
```

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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