

Converting Colors

CIELCh(81, 95.039, 137.986)

Have a look what the booklet for
CIELCh(81, 95.039, 137.986)
contains.

CIELCh(81, 95.030, 137.936)	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, 95.030, 137.936)

Conversions

Conversions Part 1

Format	Color
Hex	45E644
RGB	69, 230, 68
RGB Percent	27%, 90%, 27%
CMY	0.7277, 0.0968, 0.7321
CMYK	0.70, 0.00, 0.70, 0.10
HSL	120°, 77%, 59%
HSV	120°, 70%, 90%
XYZ	31.9222, 58.4711, 15.1229
YIQ	163.3930, -43.9540, -84.5140

Conversions

Conversions Part 2

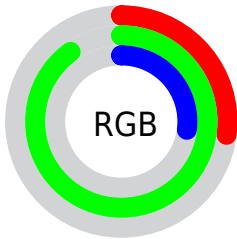
Format	Color
RYB	68, 230, 229
Decimal	4580932
CIELab	81.00, -70.55, 63.67
CIELCh	81, 95.030, 137.936
Yxy	58.4711, 0.3025, 0.5541
Android (android.graphics.Color)	4282771012 (0xFF45E644)
YUV	163.3930, -47.0287, -82.7827
Hunter-Lab	76.4664, -59.2982, 41.8006

Details

The CIELCh color **81, 95.030, 137.936** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **59, 93.371, 327.569**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 77.693, 137.958**, and **62, 89.550, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **80, 103.149, 136.982**, and if you desaturate by 10%, it is **82, 84.531, 139.038**.

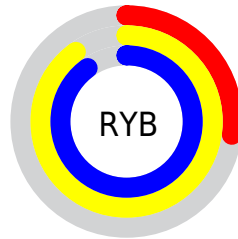
Distribution



Red (27%)

Green (90%)

Blue (27%)



Red (27%)

Yellow (90%)

Blue (90%)

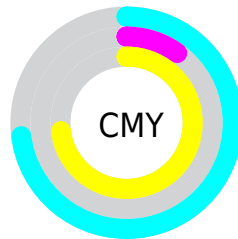


Cyan (70%)

Magenta (0%)

Yellow (70%)

Black (10%)



Cyan (73%)


Magenta (10%)


Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 95.030, 137.936 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, 95.030, 137.936 by changing the saturation by 10% instead.


 81, 95.030,
137.936


 81, 95.030,
137.936


 100, 95.030,
137.936


 71, 95.030,
137.936


 61, 95.030,
137.936

 51, 95.030,
137.936

 41, 95.030,
137.936

 31, 95.030,
137.936

 21, 95.030,
137.936

 11, 95.030,

137.936

■ 1, 95.030, 137.936

■ 0, 95.030, 137.936

■ 81, 95.030,
137.936

■ 81, 95.030,
137.936

■ 80, 103.149,
136.982

■ 82, 84.531,
139.038

■ 80, 108.386,
136.323

■ 83, 72.256,
140.156


■ 80, 110.871,
135.994

■ 84, 58.759,
141.204


■ 85, 44.502,
142.143


■ 87, 29.858,

142.962

 89, 15.113,
143.669

 91, 0.479, 144.837

 94, 13.894,
324.721

 94, 15.420,
324.957

Harmonies

Complementary

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



81, 95.030, 137.936



59, 93.371, 327.569

Rectangle

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



81, 95.030, 137.936



81, 95.030, 187.936



81, 95.030, 317.936



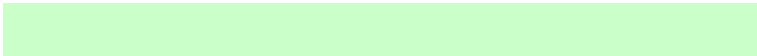
81, 95.030, 7.936

Sweetspot

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



81, 95.030, 137.937



95, 33.490, 142.902



88, 75.503, 103.040



50, 22.671, 142.684



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, 95.030, 137.937



88, 114.139, 136.667



82, 66.751, 154.219



47, 8.275, 143.727



63, 91.613, 135.986



17, 36.699, 138.714

Inverse Universe

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



59, 93.371, 327.569



61, 110.948, 327.853



55, 69.201, 351.704



45, 8.288, 324.755



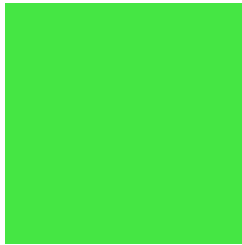
42, 88.452, 327.963



8, 37.116, 328.004

Previews

White Background



This preview shows how the CIE LCh color 81, 95.030, 137.936 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, 95.030, 137.936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

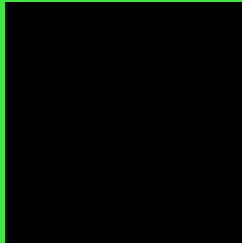
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 95.030, 137.936

Background



This preview shows how black text looks on a background with the CIELCh color 81, 95.030, 137.936.

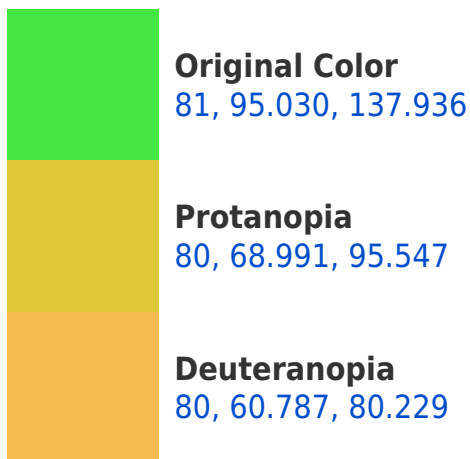


This preview shows how white text looks on a background with the CIELCh color 81, 95.030, 137.936.

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



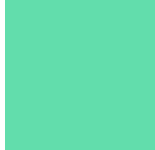
Original Color
81, 95.030, 137.936



Protanomaly
79, 73.770, 118.299



Deuteranomaly
78, 63.489, 112.933

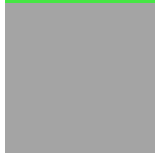


Tritanomaly
80, 47.866, 163.218

Monochromacy



Original Color
81, 95.030, 137.936



Achromatopsia
67, 0.008, 296.813



Achromatomaly
71, 38.900, 141.850

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 95.030, 137.936 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(69, 230, 68)` looks like.

```
.text, #text, p{  
    color:rgb(69, 230, 68)  
}
```

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(69, 230, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 230, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 95.030, 137.936 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(69, 230, 68) }
```

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

```
.border{ border-color:rgb(69, 230, 68) }
```

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

Here you see how a box with a 4 pixel rgb(69, 230, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 230, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 230, 68);  
box-shadow:4px 4px 4px 4px rgb(69, 230,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 95.030, 137.936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 230, 68) }
```

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

```
.background{ background-color: rgb(69, 230,  
68) }
```

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