

Converting Colors

CIELCh(81, 77.439, 140.512)

Have a look what the booklet for
CIELCh(81, 77.439, 140.512)
contains.

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Color

CIELCh(81, 77.562, 140.377)

Conversions

Conversions Part 1

Format	Color
Hex	63E367
RGB	99, 227, 103
RGB Percent	39%, 89%, 40%
CMY	0.6124, 0.1104, 0.5966
CMYK	0.56, 0.00, 0.55, 0.11
HSL	122°, 69%, 64%
HSV	122°, 56%, 89%
XYZ	34.9937, 58.4711, 22.2360
YIQ	174.5920, -36.4840, -65.7000

Conversions

Conversions Part 2

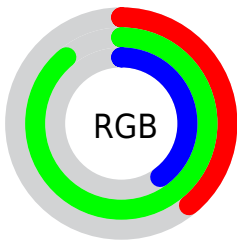
Format	Color
RYB	99, 223, 227
Decimal	6546279
CIELab	81.00, -59.74, 49.46
CIELCh	81, 77.562, 140.377
Yxy	58.4711, 0.3024, 0.5054
Android (android.graphics.Color)	4284736359 (0xFF63E367)
YUV	174.5920, -35.2949, -66.2942
Hunter-Lab	76.4664, -52.1284, 36.2853

Details

The CIELCh color **81, 77.562, 140.377** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **62, 76.776, 328.275**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 60.651, 141.072**, and **61, 77.453, 140.362** is the 20% darker color. If you saturate the color by 10%, you get **80, 88.635, 139.171**, and if you desaturate by 10%, it is **82, 65.071, 141.526**.

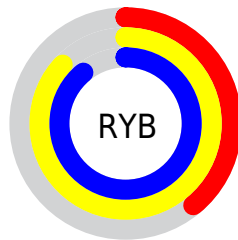
Distribution



Red (39%)

Green (89%)

Blue (40%)



Red (39%)

Yellow (87%)

Blue (89%)

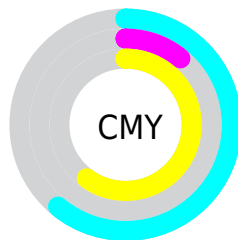


Cyan (56%)

Magenta (0%)

Yellow (55%)

Black (11%)



Cyan (61%)


Magenta (11%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 77.562, 140.377 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, 77.562, 140.377 by changing the saturation by 10% instead.


 81, 77.562,
140.377


 81, 77.562,
140.377


 100, 77.562,
140.377


 71, 77.562,
140.377

 61, 77.562,
140.377

 51, 77.562,
140.377

 41, 77.562,
140.377

 31, 77.562,
140.377

 21, 77.562,
140.377

 11, 77.562,

140.377

■ 1, 77.562, 140.377

■ 0, 77.562, 140.377

■ 81, 77.562,
140.377

■ 81, 77.562,
140.377

■ 80, 88.635,
139.171

■ 82, 65.071,
141.526

■ 80, 97.764,
138.004

■ 83, 51.624,
142.565

■ 79, 104.434,
137.012

■ 85, 37.613,
143.476

■ 79, 108.318,
136.334

■ 87, 23.354,
144.263

■ 79, 109.114,

■ 89, 9.087, 144.949

136.214

■ 91, 5.008, 325.424

■ 93, 17.602,
325.035

Harmonies

Complementary

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



81, 77.562, 140.377



62, 76.776, 328.275

Rectangle

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



81, 77.562, 140.377



81, 77.562, 190.377



81, 77.562, 320.377



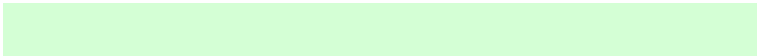
81, 77.562, 10.377

Sweetspot

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



81, 77.563, 140.377



96, 26.569, 144.214



88, 63.298, 105.696



51, 17.782, 144.062



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, 77.563, 140.377



89, 99.021, 138.930



82, 53.377, 158.267



46, 7.969, 144.750



63, 90.082, 136.287



16, 34.702, 140.000

Inverse Universe

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



62, 76.776, 328.275



65, 96.974, 328.754



60, 56.795, 351.168



44, 7.982, 325.795



41, 85.366, 329.519



8, 35.180, 329.297

Previews

White Background



This preview shows how the CIE LCh color 81, 77.562, 140.377 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, 77.562, 140.377 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, 77.562, 140.377

Background



This preview shows how black text looks on a background with the CIELCh color 81, 77.562, 140.377.

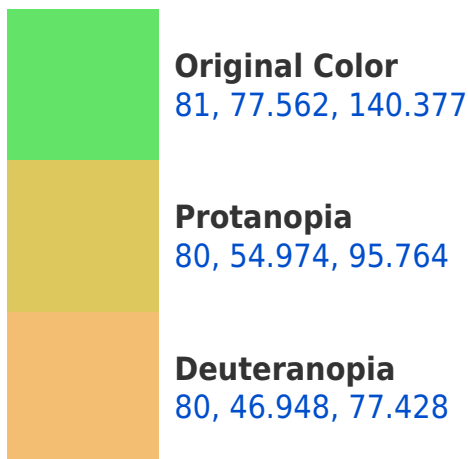


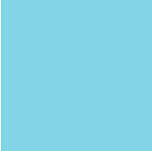
This preview shows how white text looks on a background with the CIELCh color 81, 77.562, 140.377.

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, 26.833, 218.872

Trichromacy



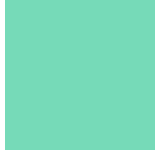
Original Color
81, 77.562, 140.377



Protanomaly
80, 58.781, 118.489



Deuteranomaly
79, 48.673, 111.660



Tritanomaly
80, 38.067, 168.334

Monochromacy



Original Color
81, 77.562, 140.377



Achromatopsia
71, 0.009, 296.813



Achromatomaly
74, 29.945, 143.449

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 77.562, 140.377 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(99, 227, 103)` looks like.

```
.text, #text, p{  
    color:rgb(99, 227, 103)  
}
```

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(99, 227, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 227, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 77.562, 140.377 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(99, 227, 103) }
```

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

```
.border{ border-color:rgb(99, 227, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 227, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 227, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 227, 103);  
box-shadow:4px 4px 4px 4px rgb(99, 227,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 77.562, 140.377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 227, 103) }
```

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

```
.background{ background-color: rgb(99, 227,  
103) }
```

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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