

Converting Colors

CIELCh(81, 79.539, 142.342)

Have a look what the booklet for
CIELCh(81, 79.539, 142.342)
contains.

CIELCh(81, 79.381, 142.469)	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, 79.381, 142.469)

Conversions

Conversions Part 1

Format	Color
Hex	55E469
RGB	85, 228, 105
RGB Percent	33%, 89%, 41%
CMY	0.6664, 0.1057, 0.5880
CMYK	0.63, 0.00, 0.54, 0.11
HSL	128°, 73%, 61%
HSV	128°, 63%, 89%
XYZ	34.0622, 58.4711, 22.8682
YIQ	171.2210, -45.7450, -68.5690

Conversions

Conversions Part 2

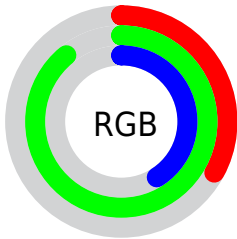
Format	Color
RYB	85, 210, 228
Decimal	5629033
CIELab	81.00, -62.95, 48.36
CIELCh	81, 79.381, 142.469
Yxy	58.4711, 0.2952, 0.5067
Android (android.graphics.Color)	4283819113 (0xFF55E469)
YUV	171.2210, -32.6470, -75.6158
Hunter-Lab	76.4664, -54.3028, 35.7951

Details

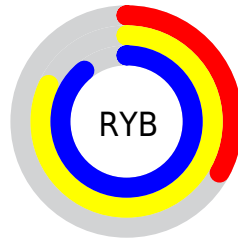
The CIELCh color **81, 79.381, 142.469** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **59, 77.899, 332.374**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 61.929, 143.950**, and **61, 77.832, 141.575** is the 20% darker color. If you saturate the color by 10%, you get **80, 89.227, 141.026**, and if you desaturate by 10%, it is **82, 68.208, 143.804**.

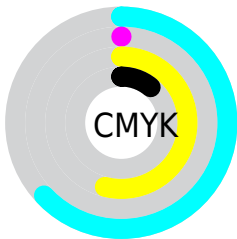
Distribution



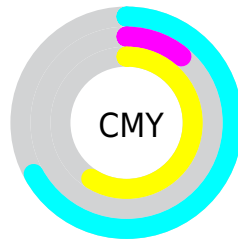
- Red (33%)
- Green (89%)
- Blue (41%)



- Red (33%)
- Yellow (82%)
- Blue (89%)



- Cyan (63%)
- Magenta (0%)
- Yellow (54%)
- Black (11%)




- Cyan (67%)
- Magenta (11%)
- Yellow (59%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 79.381, 142.469 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, 79.381, 142.469 by changing the saturation by 10% instead.


 81, 79.381,
142.469

 81, 79.381,
142.469


 100, 79.381,
142.469


 71, 79.381,
142.469


 61, 79.381,
142.469

 51, 79.381,
142.469

 41, 79.381,
142.469

 31, 79.381,
142.469

 21, 79.381,
142.469

 11, 79.381,

142.469

■ 1, 79.381, 142.469

■ 0, 79.381, 142.469

■ 81, 79.381,
142.469

■ 81, 79.381,
142.469

■ 80, 89.227,
141.026

■ 82, 68.208,
143.804

■ 80, 97.393,
139.543

■ 83, 56.054,
144.995

■ 80, 103.568,
138.137

■ 84, 43.247,
146.036

■ 79, 106.758,
137.281

■ 86, 30.074,
146.936

■ 88, 16.775,

147.713

■ 90, 3.537, 148.443

■ 92, 9.501, 328.882

■ 93, 16.841,
325.008

Harmonies

Complementary

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



81, 79.381, 142.469



59, 77.899, 332.374

Rectangle

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



81, 79.381, 142.469



81, 79.381, 192.469



81, 79.381, 322.469



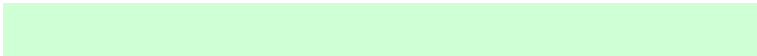
81, 79.381, 12.469

Sweetspot

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



81, 79.382, 142.469



96, 27.541, 147.227



87, 69.945, 110.923



51, 18.964, 146.994



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, 79.382, 142.469



89, 99.738, 140.616



82, 52.538, 164.083



47, 7.525, 147.944



63, 88.437, 137.490



17, 34.229, 141.338

Inverse Universe

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



59, 77.899, 332.374



62, 95.560, 333.170



57, 59.861, 0.730



45, 7.543, 329.049



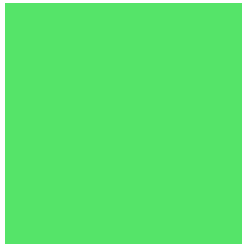
41, 79.286, 334.690



8, 33.831, 333.563

Previews

White Background



This preview shows how the CIE LCh color 81, 79.381, 142.469 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, 79.381, 142.469 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, 79.381, 142.469

Background



This preview shows how black text looks on a background with the CIELCh color 81, 79.381, 142.469.

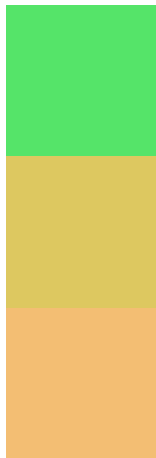


This preview shows how white text looks on a background with the CIELCh color 81, 79.381, 142.469.

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
81, 79.381, 142.469

Protanopia
80, 54.065, 95.702

Deuteranopia
80, 46.043, 76.965



Tritanopia
81, 29.417, 215.645

Trichromacy



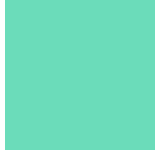
Original Color
81, 79.381, 142.469



Protanomaly
79, 58.445, 120.624



Deuteranomaly
79, 48.509, 114.649

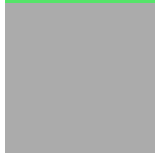


Tritanomaly
81, 40.913, 170.283

Monochromacy



Original Color
81, 79.381, 142.469



Achromatopsia
70, 0.009, 296.813



Achromatomaly
73, 31.310, 146.424

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 79.381, 142.469 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(85, 228, 105)` looks like.

```
.text, #text, p{  
    color:rgb(85, 228, 105)  
}
```

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(85, 228, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 228, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 79.381, 142.469 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(85, 228, 105) }
```

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

```
.border{ border-color:rgb(85, 228, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 228, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 228, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 228, 105);  
box-shadow:4px 4px 4px 4px rgb(85, 228,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 79.381, 142.469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 228, 105) }
```

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

```
.background{ background-color: rgb(85, 228,  
105) }
```

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