

Converting Colors

CIELCh(81, 80.322, 143.205)

Have a look what the booklet for
CIELCh(81, 80.322, 143.205)
contains.

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Color

CIELCh(81, 80.316, 143.245)

Conversions

Conversions Part 1

Format	Color
Hex	4EE56A
RGB	78, 229, 106
RGB Percent	31%, 90%, 42%
CMY	0.6922, 0.1036, 0.5858
CMYK	0.66, 0.00, 0.54, 0.10
HSL	131°, 74%, 60%
HSV	131°, 66%, 90%
XYZ	33.6615, 58.4711, 23.0403
YIQ	169.8290, -50.5130, -70.2650

Conversions

Conversions Part 2

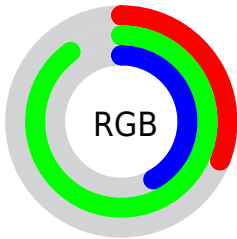
Format	Color
RYB	78, 205, 229
Decimal	5170538
CIELab	81.00, -64.35, 48.06
CIELCh	81, 80.316, 143.245
Yxy	58.4711, 0.2923, 0.5077
Android (android.graphics.Color)	4283360618 (0xFF4EE56A)
YUV	169.8290, -31.4677, -80.5340
Hunter-Lab	76.4664, -55.2383, 35.6616

Details

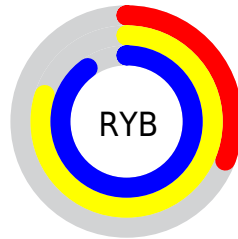
The CIELCh color **81, 80.316, 143.245** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **58, 78.502, 334.239**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 62.478, 145.194**, and **61, 77.958, 141.693** is the 20% darker color. If you saturate the color by 10%, you get **80, 89.615, 141.700**, and if you desaturate by 10%, it is **82, 69.712, 144.666**.

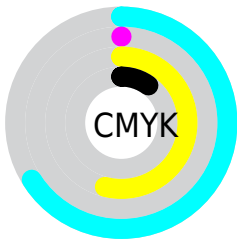
Distribution



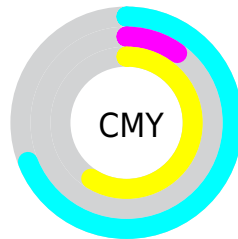
- Red (31%)
- Green (90%)
- Blue (42%)



- Red (31%)
- Yellow (80%)
- Blue (90%)



- Cyan (66%)
- Magenta (0%)
- Yellow (54%)
- Black (10%)





- Cyan (69%)
- Magenta (10%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 80.316, 143.245 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, 80.316, 143.245 by changing the saturation by 10% instead.


 81, 80.316,
143.245


 81, 80.316,
143.245


 100, 80.316,
143.245


 71, 80.316,
143.245


 61, 80.316,
143.245

 51, 80.316,
143.245

 41, 80.316,
143.245

 31, 80.316,
143.245

 21, 80.316,
143.245

 11, 80.316,

143.245

■ 1, 80.316, 143.245

■ 0, 80.316, 143.245

■ 81, 80.316,
143.245

■ 81, 80.316,
143.245

■ 80, 89.615,
141.700

■ 82, 69.712,
144.666

■ 80, 97.322,
140.095

■ 83, 58.106,
145.932

■ 80, 103.203,
138.542

■ 84, 45.800,
147.038


■ 80, 105.207,
137.962


■ 86, 33.070,
147.995

■ 88, 20.154,

148.822

 90, 7.245, 149.557

 92, 5.511, 330.057

 94, 16.518,
324.996

Harmonies

Complementary

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



81, 80.316, 143.245



58, 78.502, 334.239

Rectangle

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



81, 80.316, 143.245



81, 80.316, 193.245



81, 80.316, 323.245



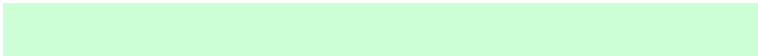
81, 80.316, 13.245

Sweetspot

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



81, 80.317, 143.245



96, 28.152, 148.468



87, 73.007, 112.390



50, 19.213, 148.232



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, 80.317, 143.245



88, 100.753, 141.090



82, 52.815, 165.822



47, 7.307, 149.283



63, 86.921, 138.213



17, 33.504, 142.150

Inverse Universe

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



58, 78.502, 334.239



61, 95.293, 335.300



56, 61.952, 4.083



45, 7.328, 330.419



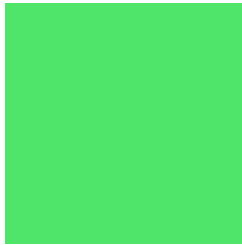
41, 76.846, 336.982



8, 32.933, 335.403

Previews

White Background



This preview shows how the CIELCh color 81, 80.316, 143.245 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, 80.316, 143.245 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

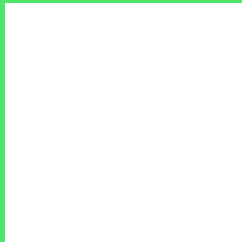
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 80.316, 143.245

Background



This preview shows how black text looks on a background with the CIELCh color 81, 80.316, 143.245.

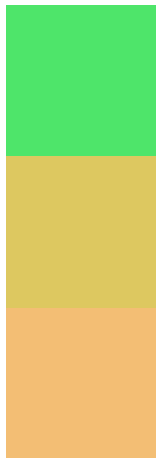


This preview shows how white text looks on a background with the CIELCh color 81, 80.316, 143.245.

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, 80.446, 143.345

Protanopia
80, 54.065, 95.702

Deuteranopia
80, 45.590, 76.725

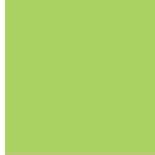


Tritanopia
81, 30.263, 215.073

Trichromacy



Original Color
81, 80.446, 143.345



Protanomaly
79, 58.802, 121.716



Deuteranomaly
79, 48.255, 116.192



Tritanomaly
80, 41.948, 170.890

Monochromacy



Original Color
81, 80.446, 143.345



Achromatopsia
70, 0.009, 296.813



Achromatomaly
73, 31.371, 147.934

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 80.316, 143.245 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(78, 229, 106)` looks like.

```
.text, #text, p{  
    color:rgb(78, 229, 106)  
}
```

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(78, 229, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 229, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 80.316, 143.245 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(78, 229, 106) }
```

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

```
.border{ border-color:rgb(78, 229, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 229, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 229, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 229, 106);  
box-shadow:4px 4px 4px 4px rgb(78, 229,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 80.316, 143.245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 229, 106) }
```

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

```
.background{ background-color: rgb(78, 229,  
106) }
```

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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