

Converting Colors

CIELCh(81, 69.096, 146.618)

Have a look what the booklet for
CIELCh(81, 69.096, 146.618)
contains.

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Color

CIELCh(81, 68.636, 146.691)

Conversions

Conversions Part 1

Format	Color
Hex	5DE27F
RGB	93, 226, 127
RGB Percent	36%, 89%, 50%
CMY	0.6338, 0.1123, 0.5007
CMYK	0.59, 0.00, 0.44, 0.11
HSL	135°, 70%, 63%
HSV	135°, 59%, 89%
XYZ	35.6962, 58.4711, 29.5923
YIQ	174.9470, -47.4890, -58.9850

Conversions

Conversions Part 2

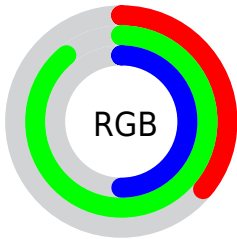
Format	Color
RYB	93, 199, 226
Decimal	6152831
CIELab	81.00, -57.36, 37.69
CIElCh	81, 68.636, 146.691
Yxy	58.4711, 0.2884, 0.4725
Android (android.graphics.Color)	4284342911 (0xFF5DE27F)
YUV	174.9470, -23.6379, -71.8675
Hunter-Lab	76.4664, -50.4885, 30.5814

Details

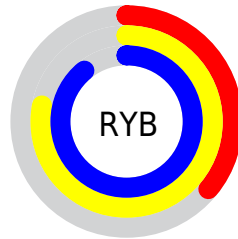
The CIELCh color **81, 68.636, 146.691** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **60, 68.198, 336.951**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 51.933, 149.565**, and **61, 68.370, 146.778** is the 20% darker color. If you saturate the color by 10%, you get **80, 78.349, 145.146**, and if you desaturate by 10%, it is **82, 57.969, 148.059**.

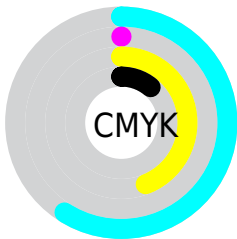
Distribution



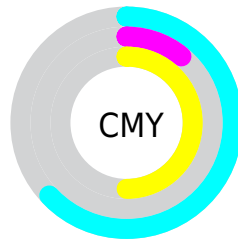
- Red (36%)
- Green (89%)
- Blue (50%)



- Red (36%)
- Yellow (78%)
- Blue (89%)



- Cyan (59%)
- Magenta (0%)
- Yellow (44%)
- Black (11%)





- Cyan (63%)
- Magenta (11%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 68.636, 146.691 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, 68.636, 146.691 by changing the saturation by 10% instead.


 81, 68.636,
146.691


 81, 68.636,
146.691


 100, 68.636,
146.691


 71, 68.636,
146.691

 61, 68.636,
146.691

 51, 68.636,
146.691

 41, 68.636,
146.691

 31, 68.636,
146.691

 21, 68.636,
146.691

 11, 68.636,

146.691

■ 1, 68.636, 146.691

■ 0, 68.636, 146.691

■ 81, 68.636,
146.691

■ 81, 68.636,
146.691

■ 80, 78.349,
145.146

■ 82, 57.969,
148.059

■ 80, 86.879,
143.441

■ 83, 46.593,
149.253

■ 79, 94.047,
141.628

■ 85, 34.754,
150.289

■ 79, 99.772,
139.826

■ 86, 22.671,
151.187

■ 79, 100.410,

■ 88, 10.534,

139.622

151.978

■ 90, 1.512, 332.380

■ 93, 13.356,
333.176

■ 93, 17.912,
325.046

Harmonies

Complementary

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



81, 68.636, 146.691



60, 68.198, 336.951

Rectangle

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



81, 68.636, 146.691



81, 68.636, 196.691



81, 68.636, 326.691



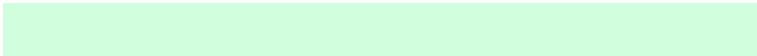
81, 68.636, 16.691

Sweetspot

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



81, 68.637, 146.691



96, 23.977, 151.239



85, 66.932, 116.463



51, 16.669, 150.991



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, 68.637, 146.691



89, 87.434, 144.863



82, 44.610, 173.054



46, 6.795, 151.925



63, 82.554, 139.944



16, 30.833, 144.342

Inverse Universe

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



60, 68.198, 336.951



63, 85.020, 338.086



58, 55.227, 8.584



44, 6.823, 333.124



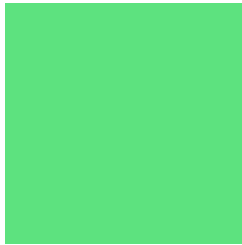
39, 72.044, 341.651



7, 30.243, 338.962

Previews

White Background



This preview shows how the CIE LCh color 81, 68.636, 146.691 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, 68.636, 146.691 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, 68.636, 146.691

Background



This preview shows how black text looks on a background with the CIELCh color 81, 68.636, 146.691.

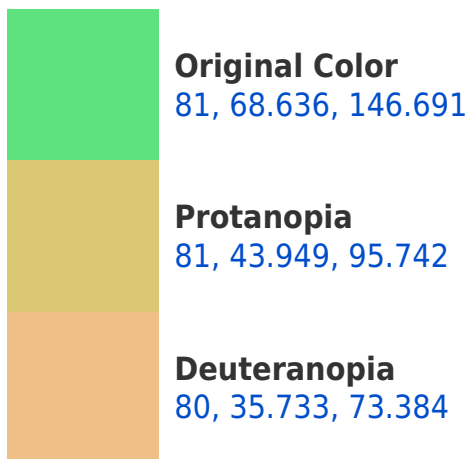


This preview shows how white text looks on a background with the CIELCh color 81, 68.636, 146.691.

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, 28.621, 217.379

Trichromacy



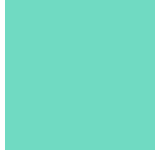
Original Color
81, 68.636, 146.691



Protanomaly
80, 48.326, 123.972



Deuteranomaly
79, 37.791, 117.876



Tritanomaly
80, 36.518, 176.274

Monochromacy



Original Color
81, 68.636, 146.691



Achromatopsia
71, 0.009, 296.813



Achromatomaly
74, 26.756, 151.010

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 68.636, 146.691 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(93, 226, 127)` looks like.

```
.text, #text, p{  
    color:rgb(93, 226, 127)  
}
```

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(93, 226, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 226, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 68.636, 146.691 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(93, 226, 127) }
```

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

```
.border{ border-color:rgb(93, 226, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 226, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 226, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 226, 127);  
box-shadow:4px 4px 4px 4px rgb(93, 226,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 68.636, 146.691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 226, 127) }
```

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

```
.background{ background-color: rgb(93, 226,  
127) }
```

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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