

Converting Colors

CIELCh(81, 86.798, 145.782)

Have a look what the booklet for
CIELCh(81, 86.798, 145.782)
contains.

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Color

CIELCh(81, 86.569, 145.861)

Conversions

Conversions Part 1

Format	Color
Hex	1DE768
RGB	29, 231, 104
RGB Percent	11%, 91%, 41%
CMY	0.8852, 0.0937, 0.5918
CMYK	0.87, 0.00, 0.55, 0.09
HSL	142°, 81%, 51%
HSV	142°, 87%, 91%
XYZ	31.6197, 58.4711, 22.7388
YIQ	156.1240, -79.6250, -82.3210

Conversions

Conversions Part 2

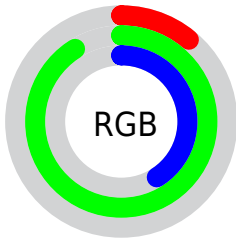
Format	Color
R_{YB}	29, 176, 231
Decimal	1959784
CIE _{Lab}	81.00, -71.65, 48.58
CIE _{LCh}	81, 86.569, 145.861
Yxy	58.4711, 0.2802, 0.5182
Android (android.graphics.Color)	4280149864 (0xFF1DE768)
YUV	156.1240, -25.6971, -111.4877
Hunter-Lab	76.4664, -60.0044, 35.8954

Details

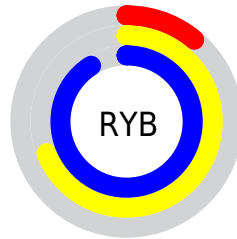
The CIELCh color **81, 86.569, 145.861** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **52, 80.982, 347.627**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 68.158, 148.942**, and **62, 79.836, 141.029** is the 20% darker color. If you saturate the color by 10%, you get **81, 92.496, 143.741**, and if you desaturate by 10%, it is **81, 79.542, 147.857**.

Distribution



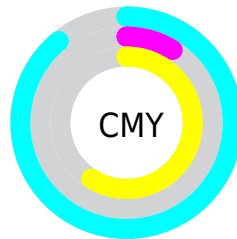
- Red (11%)
- Green (91%)
- Blue (41%)



- Red (11%)
- Yellow (69%)
- Blue (91%)



- Cyan (87%)
- Magenta (0%)
- Yellow (55%)
- Black (9%)





- Cyan (89%)
- Magenta (9%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 86.569, 145.861 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, 86.569, 145.861 by changing the saturation by 10% instead.


 81, 86.569,
145.861


 81, 86.569,
145.861


 100, 86.569,
145.861


 71, 86.569,
145.861


 61, 86.569,
145.861

 51, 86.569,
145.861

 41, 86.569,
145.861

 31, 86.569,
145.861

 21, 86.569,
145.861

 11, 86.569,

145.861

■ 1, 86.569, 145.861

■ 0, 86.569, 145.861

■ 81, 86.569,
145.861

■ 81, 86.569,
145.861

■ 81, 92.496,
143.741

■ 81, 79.542,
147.857

■ 81, 93.947,
143.198

■ 82, 71.419,
149.668

■ 83, 62.303,
151.277

■ 84, 52.357,
152.689

■ 85, 41.780,

153.922

■ 87, 30.779,
154.998

■ 88, 19.544,
155.944

■ 90, 8.243, 156.797

■ 92, 2.993, 337.343

Harmonies

Complementary

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



81, 86.569, 145.861



52, 80.982, 347.627

Rectangle

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



81, 86.569, 145.861



81, 86.569, 195.861



81, 86.569, 325.861



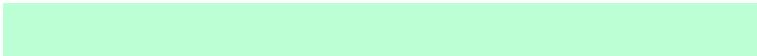
81, 86.569, 15.861

Sweetspot

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



81, 86.569, 145.861



95, 31.723, 155.117



84, 92.539, 121.864



50, 21.475, 154.764



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, 86.569, 145.861



88, 101.489, 143.074



83, 51.168, 179.752



47, 6.355, 156.620



64, 76.770, 143.586



18, 29.502, 147.638

Inverse Universe

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



52, 80.982, 347.627



56, 88.295, 351.031



50, 82.283, 28.680



45, 6.401, 337.951



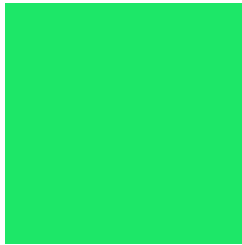
39, 67.842, 350.345



7, 29.305, 345.865

Previews

White Background



This preview shows how the CIE LCh color 81, 86.569, 145.861 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, 86.569, 145.861 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

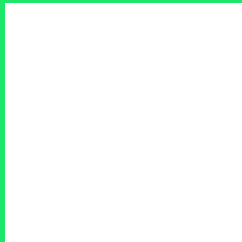
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 86.569, 145.861

Background



This preview shows how black text looks on a background with the CIELCh color 81, 86.569, 145.861.

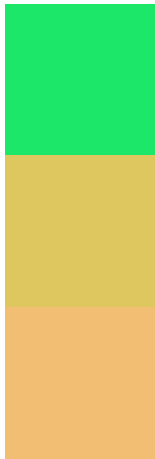


This preview shows how white text looks on a background with the CIELCh color 81, 86.569, 145.861.

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, 86.569, 145.861

Protanopia

80, 54.631, 95.259

Deuteranopia

80, 45.811, 77.419



Tritanopia
81, 34.697, 213.428

Trichromacy



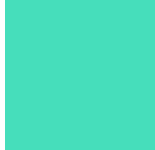
Original Color
81, 86.569, 145.861



Protanomaly
78, 62.292, 127.711



Deuteranomaly
78, 51.205, 124.193



Tritanomaly
80, 48.122, 173.247

Monochromacy



Original Color
81, 86.569, 145.861



Achromatopsia
64, 0.008, 296.813



Achromatomaly
69, 36.887, 153.658

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 86.569, 145.861 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(29, 231, 104)` looks like.

```
.text, #text, p{  
    color:rgb(29, 231, 104)  
}
```

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(29, 231, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 231, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 86.569, 145.861 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(29, 231, 104) }
```

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

```
.border{ border-color:rgb(29, 231, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 231, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 231, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 231, 104);  
box-shadow:4px 4px 4px 4px rgb(29, 231,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 86.569, 145.861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 231, 104) }
```

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

```
.background{ background-color: rgb(29, 231,  
104) }
```

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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