

Converting Colors

CIELCh(81, 76.753, 147.484)

Have a look what the booklet for
CIELCh(81, 76.753, 147.484)
contains.

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Color

CIELCh(81, 76.707, 147.529)

Conversions

Conversions Part 1

Format	Color
Hex	41E578
RGB	65, 229, 120
RGB Percent	25%, 90%, 47%
CMY	0.7455, 0.1022, 0.5297
CMYK	0.72, 0.00, 0.48, 0.10
HSL	140°, 76%, 58%
HSV	140°, 72%, 90%
XYZ	33.5572, 58.4711, 27.2644
YIQ	167.5380, -62.7550, -68.6670

Conversions

Conversions Part 2

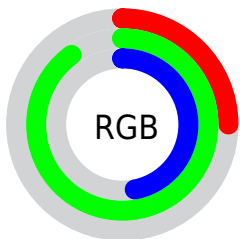
Format	Color
RYB	65, 188, 229
Decimal	4318584
CIELab	81.00, -64.71, 41.18
CIELCh	81, 76.707, 147.529
Yxy	58.4711, 0.2813, 0.4901
Android (android.graphics.Color)	4282508664 (0xFF41E578)
YUV	167.5380, -23.4362, -89.9258
Hunter-Lab	76.4664, -55.4816, 32.3864

Details

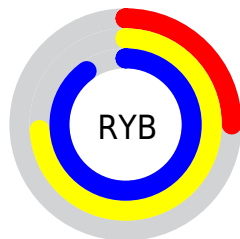
The CIELCh color **81, 76.707, 147.529** is a dark color, and the websafe version is hex **00CC66**. The color can be described as middle muted spring green. A complement of this color would be **56, 75.308, 342.544**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 58.876, 151.170**, and **62, 72.665, 144.826** is the 20% darker color. If you saturate the color by 10%, you get **80, 84.536, 145.671**, and if you desaturate by 10%, it is **82, 67.791, 149.200**.

Distribution



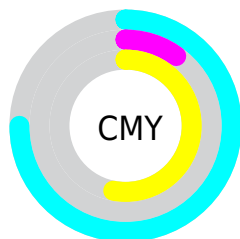
- Red (25%)
- Green (90%)
- Blue (47%)



- Red (25%)
- Yellow (74%)
- Blue (90%)



- Cyan (72%)
- Magenta (0%)
- Yellow (48%)
- Black (10%)





- Cyan (75%)
- Magenta (10%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 76.707, 147.529 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, 76.707, 147.529 by changing the saturation by 10% instead.


 81, 76.707,
147.529


 81, 76.707,
147.529


 100, 76.707,
147.529


 71, 76.707,
147.529

 61, 76.707,
147.529

 51, 76.707,
147.529

 41, 76.707,
147.529

 31, 76.707,
147.529

 21, 76.707,
147.529

 11, 76.707,

147.529

■ 1, 76.707, 147.529

■ 0, 76.707, 147.529

■ 81, 76.707,
147.529

■ 81, 76.707,
147.529

■ 80, 84.536,
145.671

■ 82, 67.791,
149.200

■ 80, 91.185,
143.666

■ 83, 57.944,
150.674


■ 80, 95.891,
141.979

■ 84, 47.369,
151.963

■ 85, 36.280,
153.084


■ 87, 24.886,

154.063

 89, 13.368,
154.926

 91, 1.878, 155.849

 93, 9.470, 336.262

 94, 16.294,
324.988

Harmonies

Complementary

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



81, 76.707, 147.529



56, 75.308, 342.544

Rectangle

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



81, 76.707, 147.529



81, 76.707, 197.529



81, 76.707, 327.529



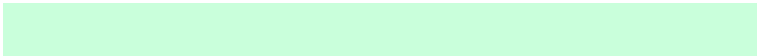
81, 76.707, 17.529

Sweetspot

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



81, 76.708, 147.529



96, 26.344, 154.111



85, 80.649, 119.855



50, 17.827, 153.854



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, 76.708, 147.529



88, 95.387, 144.711



83, 47.776, 178.466



47, 6.523, 155.105



64, 78.956, 142.340



17, 30.355, 146.303

Inverse Universe

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



56, 75.308, 342.544



58, 88.769, 345.007



53, 67.854, 19.262



45, 6.563, 336.394



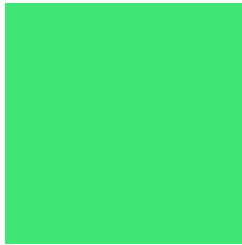
39, 69.155, 347.522



7, 29.892, 343.672

Previews

White Background



This preview shows how the CIE LCh color 81, 76.707, 147.529 looks on a white background.

Color Contrast Check

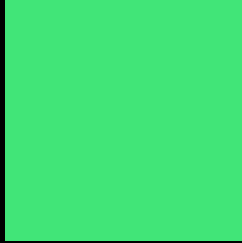
Large Text (above 18pt) WCAG AA × Fail

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, 76.707, 147.529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

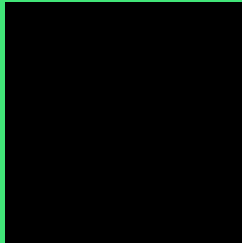
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

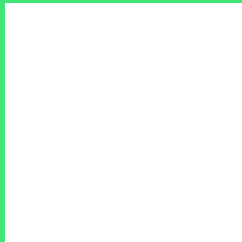
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 76.707, 147.529

Background



This preview shows how black text looks on a background with the CIELCh color 81, 76.707, 147.529.

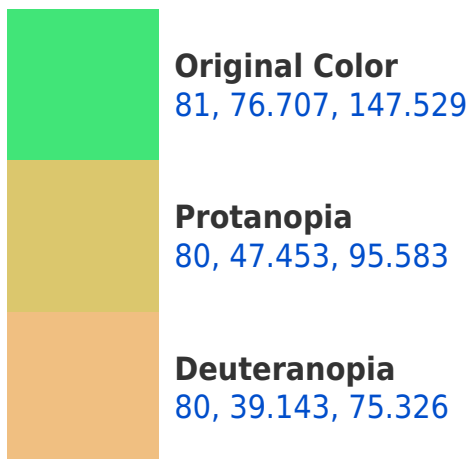



This preview shows how white text looks on a background with the CIELCh color 81, 76.707, 147.529.

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, 32.520, 214.682

Trichromacy



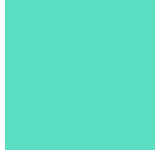
Original Color
81, 76.707, 147.529



Protanomaly
79, 53.373, 126.363



Deuteranomaly
79, 42.772, 122.274



Tritanomaly
81, 42.702, 175.941

Monochromacy



Original Color
81, 76.707, 147.529



Achromatopsia
68, 0.008, 296.813



Achromatomaly
72, 31.169, 153.042

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 76.707, 147.529 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(65, 229, 120)` looks like.

```
.text, #text, p{  
    color:rgb(65, 229, 120)  
}
```

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(65, 229, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 229, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 76.707, 147.529 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(65, 229, 120) }
```

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

```
.border{ border-color:rgb(65, 229, 120) }
```

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

Here you see how a box with a 4 pixel rgb(65, 229, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 229, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 229, 120);  
box-shadow:4px 4px 4px 4px rgb(65, 229,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 76.707, 147.529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 229, 120) }
```

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

```
.background{ background-color: rgb(65, 229,  
120) }
```

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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