

Converting Colors

CIELCh(81, 77.018, 146.532)

Have a look what the booklet for
CIELCh(81, 77.018, 146.532)
contains.

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Color

CIELCh(81, 77.273, 146.430)

Conversions

Conversions Part 1

Format	Color
Hex	46E575
RGB	70, 229, 117
RGB Percent	27%, 90%, 46%
CMY	0.7267, 0.1029, 0.5420
CMYK	0.70, 0.00, 0.49, 0.10
HSL	138°, 75%, 59%
HSV	138°, 70%, 90%
XYZ	33.6514, 58.4711, 26.2732
YIQ	168.6910, -58.8120, -68.5400

Conversions

Conversions Part 2

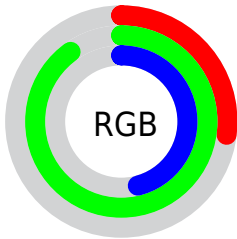
Format	Color
RYB	70, 193, 229
Decimal	4646261
CIELab	81.00, -64.38, 42.73
CIELCh	81, 77.273, 146.430
Yxy	58.4711, 0.2842, 0.4939
Android (android.graphics.Color)	4282836341 (0xFF46E575)
YUV	168.6910, -25.4837, -86.5520
Hunter-Lab	76.4664, -55.2618, 33.1550

Details

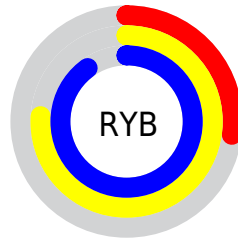
The CIELCh color **81, 77.273, 146.430** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **56, 75.701, 340.090**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 59.271, 149.528**, and **62, 73.770, 144.142** is the 20% darker color. If you saturate the color by 10%, you get **80, 85.570, 144.655**, and if you desaturate by 10%, it is **82, 67.853, 148.028**.

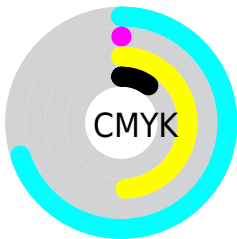
Distribution



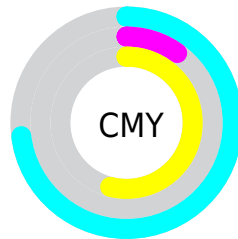
- Red (27%)
- Green (90%)
- Blue (46%)



- Red (27%)
- Yellow (76%)
- Blue (90%)



- Cyan (70%)
- Magenta (0%)
- Yellow (49%)
- Black (10%)





- Cyan (73%)
- Magenta (10%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 77.273, 146.430 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, 77.273, 146.430 by changing the saturation by 10% instead.


 81, 77.273,
146.430


 81, 77.273,
146.430


 100, 77.273,
146.430


 71, 77.273,
146.430

 61, 77.273,
146.430

 51, 77.273,
146.430

 41, 77.273,
146.430

 31, 77.273,
146.430

 21, 77.273,
146.430

 11, 77.273,

146.430

■ 1, 77.273, 146.430

■ 0, 77.273, 146.430

■ 81, 77.273,
146.430

■ 81, 77.273,
146.430

■ 80, 85.570,
144.655

■ 82, 67.853,
148.028

■ 80, 92.604,
142.746

■ 83, 57.501,
149.439

■ 80, 98.365,
140.821

■ 84, 46.445,
150.670

■ 80, 98.608,
140.739


■ 85, 34.914,
151.739


■ 87, 23.122,

152.669

 89, 11.252,
153.489

 91, 0.549, 333.479

 93, 12.170,
334.745

 94, 16.401,
324.992

Harmonies

Complementary

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



81, 77.273, 146.430



56, 75.701, 340.090

Rectangle

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



81, 77.273, 146.430



81, 77.273, 196.430



81, 77.273, 326.430



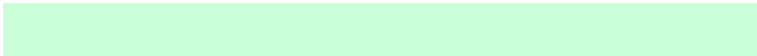
81, 77.273, 16.430

Sweetspot

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



81, 77.274, 146.430



96, 27.142, 152.529



85, 77.930, 117.684



50, 18.369, 152.278



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, 77.274, 146.430



88, 96.085, 143.912



82, 49.137, 174.226



47, 6.717, 153.496



64, 81.269, 141.079



17, 31.257, 144.994

Inverse Universe

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



56, 75.701, 340.090



59, 89.984, 341.971



54, 65.225, 14.558



45, 6.750, 334.741



40, 70.843, 344.542



8, 30.603, 341.353

Previews

White Background



This preview shows how the CIE LCh color 81, 77.273, 146.430 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, 77.273, 146.430 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, 77.273, 146.430

Background



This preview shows how black text looks on a background with the CIELCh color 81, 77.273, 146.430.

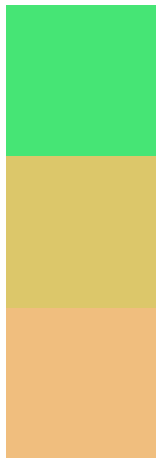


This preview shows how white text looks on a background with the CIELCh color 81, 77.273, 146.430.

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, 77.273, 146.430

Protanopia
80, 48.970, 95.234

Deuteranopia
80, 40.337, 75.421



Tritanopia
81, 31.894, 214.042

Trichromacy



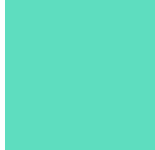
Original Color
81, 77.273, 146.430



Protanomaly
79, 54.440, 125.035



Deuteranomaly
79, 43.439, 120.373

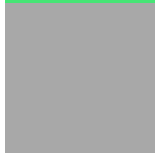


Tritanomaly
81, 42.527, 174.339

Monochromacy



Original Color
81, 77.273, 146.430



Achromatopsia
69, 0.009, 296.813



Achromatomaly
72, 31.092, 151.561

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 77.273, 146.430 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(70, 229, 117)` looks like.

```
.text, #text, p{  
    color:rgb(70, 229, 117)  
}
```

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(70, 229, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 229, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 77.273, 146.430 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(70, 229, 117) }
```

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

```
.border{ border-color:rgb(70, 229, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 229, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 229, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 229, 117);  
box-shadow:4px 4px 4px 4px rgb(70, 229,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 77.273, 146.430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 229, 117) }
```

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

```
.background{ background-color: rgb(70, 229,  
117) }
```

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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