

Converting Colors

CIELCh(81, 39.980, 106.828)

Have a look what the booklet for
CIELCh(81, 39.980, 106.828)
contains.

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Color

CIELCh(81, 39.978, 107.175)

Conversions

Conversions Part 1

Format	Color
Hex	CDCE81
RGB	205, 206, 129
RGB Percent	80%, 81%, 51%
CMY	0.1975, 0.1936, 0.4954
CMYK	0.00, 0.00, 0.37, 0.19
HSL	61°, 44%, 66%
HSV	61°, 37%, 81%
XYZ	50.9992, 58.4711, 29.2486
YIQ	196.9230, 24.1210, -24.1590

Conversions

Conversions Part 2

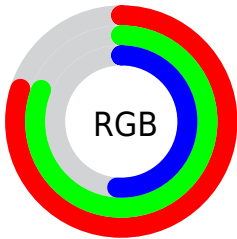
Format	Color
RYB	129, 206, 130
Decimal	13487745
CIELab	81.00, -11.81, 38.20
CIElCh	81, 39.978, 107.175
Yxy	58.4711, 0.3676, 0.4215
Android (android.graphics.Color)	4291677825 (0xFFCDCE81)
YUV	196.9230, -33.4860, 7.0835
Hunter-Lab	76.4664, -14.7658, 30.8479

Details

The CIELCh color **81, 39.978, 107.175** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **57, 43.965, 295.479**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 36.170, 107.421**, and **61, 40.137, 107.554** is the 20% darker color. If you saturate the color by 10%, you get **81, 50.016, 106.291**, and if you desaturate by 10%, it is **81, 29.539, 108.106**.

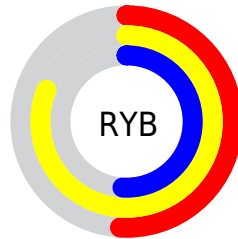
Distribution



Red (80%)

Green (81%)

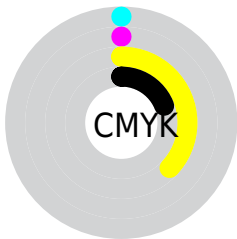
Blue (51%)



Red (51%)

Yellow (81%)

Blue (51%)

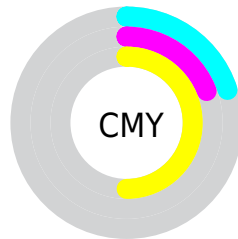


Cyan (0%)

Magenta (0%)

Yellow (37%)

Black (19%)



Cyan (20%)


Magenta (19%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 39.978, 107.175 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, 39.978, 107.175 by changing the saturation by 10% instead.


 81, 39.978,
107.175


 81, 39.978,
107.175


 100, 39.978,
107.175


 71, 39.978,
107.175


 61, 39.978,
107.175

 51, 39.978,
107.175

 41, 39.978,
107.175

 31, 39.978,
107.175

 21, 39.978,
107.175

 11, 39.978,

107.175

■ 1, 39.978, 107.175

■ 0, 39.978, 107.175

■ 81, 39.978,
107.175

■ 81, 39.978,
107.175

■ 81, 50.016,
106.291

■ 81, 29.539,
108.106

■ 80, 59.391,
105.475

■ 82, 18.863,
109.052

■ 80, 67.731,
104.768

■ 82, 8.060, 109.994

■ 80, 74.550,
104.214

■ 83, 2.798, 290.955

■ 83, 13.666,
291.846

■ 80, 79.350,

103.853

84, 24.513,
292.720

80, 81.924,
103.698

84, 26.068,
293.009

80, 82.420,
103.673

84, 26.071,
293.204

84, 26.073,
293.398

Harmonies

Complementary

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



81, 39.978, 107.175



57, 43.965, 295.479

Rectangle

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



81, 39.978, 107.175



81, 39.978, 157.175



81, 39.978, 287.175



81, 39.978, 337.175

Sweetspot

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



81, 39.979, 107.178



99, 14.195, 109.647



62, 32.283, 22.903



53, 9.535, 109.517



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, 39.979, 107.178



98, 56.660, 106.452



78, 43.034, 127.318



43, 6.109, 109.811



66, 70.210, 103.661



14, 21.915, 106.158

Inverse Universe

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



57, 43.965, 295.479



63, 64.026, 296.930



60, 45.397, 310.928



39, 6.245, 291.643



19, 96.859, 306.331



1, 23.541, 292.786

Previews

White Background



This preview shows how the CIELCh color 81, 39.978, 107.175 looks on a white background.

Color Contrast Check

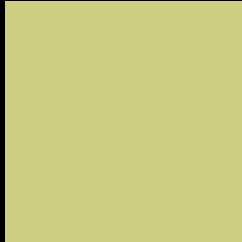
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 81, 39.978, 107.175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

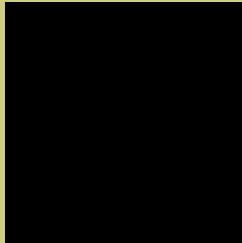
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 39.978, 107.175

Background



This preview shows how black text looks on a background with the CIELCh color 81, 39.978, 107.175.

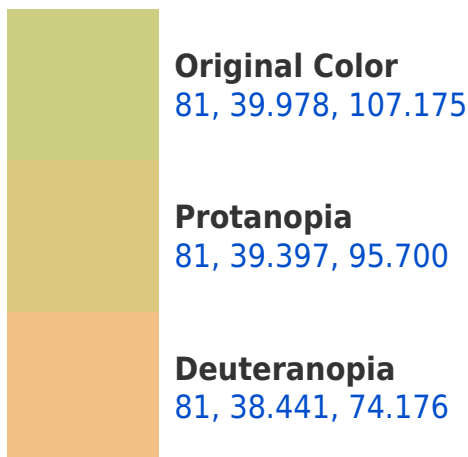



This preview shows how white text looks on a background with the CIELCh color 81, 39.978, 107.175.

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](#).

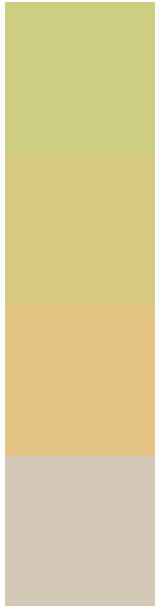
Dichromacy





Tritanopia
81, 10.350, 329.868

Trichromacy



Original Color
81, 39.978, 107.175

Protanomaly
81, 39.348, 99.995

Deuteranomaly
81, 37.173, 86.642

Tritanomaly
81, 10.889, 86.543

Monochromacy



Original Color
81, 39.978, 107.175

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 14.822, 108.832

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 39.978, 107.175 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(205, 206, 129)` looks like.

```
.text, #text, p{  
    color:rgb(205, 206, 129)  
}
```

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(205, 206, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 206, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 39.978, 107.175 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(205, 206, 129) }
```

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

```
.border{ border-color:rgb(205, 206, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 206, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 206, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 206, 129);  
box-shadow:4px 4px 4px 4px rgb(205, 206,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 39.978, 107.175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 206, 129) }
```

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

```
.background{ background-color: rgb(205,  
206, 129) }
```

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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