

Converting Colors

CIELCh(81, 42.612, 84.106)

Have a look what the booklet for
CIELCh(81, 42.612, 84.106) contains.

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Color

CIELCh(81, 42.885, 83.933)

Conversions

Conversions Part 1

Format	Color
Hex	EBC479
RGB	235, 196, 121
RGB Percent	92%, 77%, 47%
CMY	0.0788, 0.2317, 0.5258
CMYK	0.00, 0.17, 0.49, 0.08
HSL	39°, 74%, 70%
HSV	39°, 49%, 92%
XYZ	57.4021, 58.4711, 26.3262
YIQ	199.1110, 47.3190, -15.0570

Conversions

Conversions Part 2

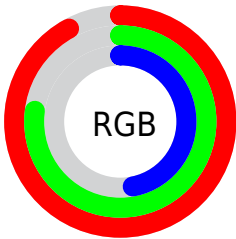
Format	Color
RYB	180, 235, 121
Decimal	15451257
CIELab	81.00, 4.53, 42.64
CIELCh	81, 42.885, 83.933
Yxy	58.4711, 0.4037, 0.4112
Android (android.graphics.Color)	4293641337 (0xFFEBC479)
YUV	199.1110, -38.5087, 31.4747
Hunter-Lab	76.4664, 0.1809, 33.1138

Details

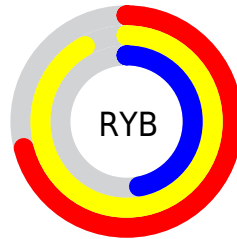
The CIELCh color **81, 42.885, 83.933** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **66, 42.424, 279.322**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 38.720, 105.471**, and **61, 42.939, 83.596** is the 20% darker color. If you saturate the color by 10%, you get **79, 51.876, 82.470**, and if you desaturate by 10%, it is **83, 33.799, 85.351**.

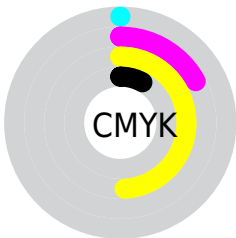
Distribution



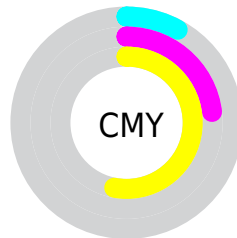
- Red (92%)
- Green (77%)
- Blue (47%)



- Red (71%)
- Yellow (92%)
- Blue (47%)



- Cyan (0%)
- Magenta (17%)
- Yellow (49%)
- Black (8%)



- Cyan (8%)
- Magenta (23%)
- Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 42.885, 83.933 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, 42.885, 83.933 by changing the saturation by 10% instead.

 81, 42.885, 83.933

 81, 42.885, 83.933

 100, 42.885,
83.933

 71, 42.885, 83.933

 61, 42.885, 83.933

 51, 42.885, 83.933

 41, 42.885, 83.933

 31, 42.885, 83.933

 21, 42.885, 83.933

 11, 42.885, 83.933

 1, 42.885, 83.933

 0, 42.885, 83.933

81, 42.885, 83.933

81, 42.885, 83.933

79, 51.876, 82.470

83, 33.799, 85.351

77, 60.456, 80.916

86, 24.784, 86.722

74, 68.065, 79.203

88, 15.918, 88.050

72, 73.862, 77.190

91, 7.237, 89.320

70, 77.128, 74.706

93, 1.252, 270.828

70, 77.531, 74.329

96, 6.351, 260.815

98, 6.057, 212.959

99, 6.879, 199.066

Harmonies

Complementary

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



81, 42.885, 83.933



66, 42.424, 279.322

Rectangle

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



81, 42.885, 83.933



81, 42.885, 133.933



81, 42.885, 263.933



81, 42.885, 313.933

Sweetspot

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



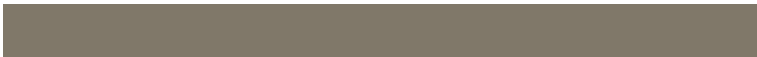
81, 42.885, 83.937



96, 13.723, 88.497



65, 48.198, 358.823



51, 9.385, 88.224



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, 42.885, 83.937



85, 54.950, 82.509



90, 57.313, 112.496



48, 4.825, 89.204



55, 63.799, 74.869



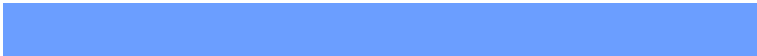
15, 23.229, 77.634

Inverse Universe

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



66, 42.424, 279.322



66, 54.674, 282.046



57, 65.038, 301.203



46, 4.819, 271.706



31, 74.477, 296.053



6, 26.553, 288.547

Previews

White Background



This preview shows how the CIELCh color 81, 42.885, 83.933 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, 42.885, 83.933 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, 42.885, 83.933

Background



This preview shows how black text looks on a background with the CIELCh color 81, 42.885, 83.933.



This preview shows how white text looks on a background with the CIELCh color 81, 42.885, 83.933.

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, 42.885, 83.933

Protanopia

81, 41.464, 95.428

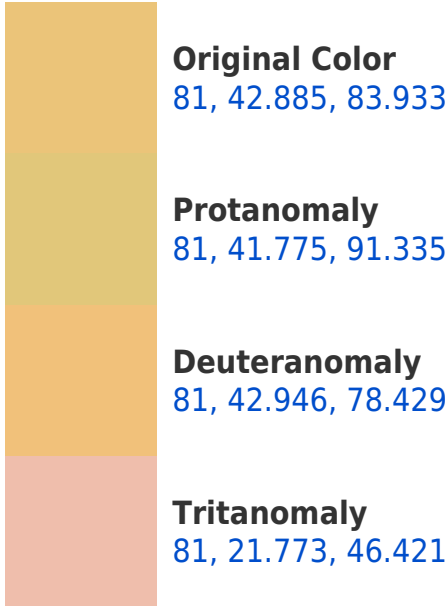
Deuteranopia

81, 43.450, 76.223



Tritanopia
81, 22.398, 0.675

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 42.885, 83.933 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(235, 196, 121)` looks like.

```
.text, #text, p{  
    color:rgb(235, 196, 121)  
}
```

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(235, 196, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 196, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 42.885, 83.933 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(235, 196, 121) }
```

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

```
.border{ border-color:rgb(235, 196, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 196, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 196, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 196, 121);  
box-shadow:4px 4px 4px 4px rgb(235, 196,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 42.885, 83.933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 196, 121) }
```

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

```
.background{ background-color: rgb(235,  
196, 121) }
```

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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