

Converting Colors

CIELCh(81, 40.808, 81.623)

Have a look what the booklet for
CIELCh(81, 40.808, 81.623) contains.

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Color

CIELCh(81, 40.937, 81.809)

Conversions

Conversions Part 1

Format	Color
Hex	ECC37D
RGB	236, 195, 125
RGB Percent	93%, 76%, 49%
CMY	0.0737, 0.2345, 0.5091
CMYK	0.00, 0.17, 0.47, 0.07
HSL	38°, 75%, 71%
HSV	38°, 47%, 93%
XYZ	57.9334, 58.4711, 27.6966
YIQ	199.2790, 46.9060, -13.0780

Conversions

Conversions Part 2

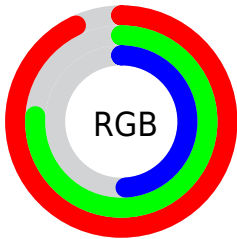
Format	Color
RYB	190, 236, 125
Decimal	15516541
CIELab	81.00, 5.83, 40.52
CIELCh	81, 40.937, 81.809
Yxy	58.4711, 0.4020, 0.4058
Android (android.graphics.Color)	4293706621 (0xFFECC37D)
YUV	199.2790, -36.6195, 32.2043
Hunter-Lab	76.4664, 1.4211, 32.0513

Details

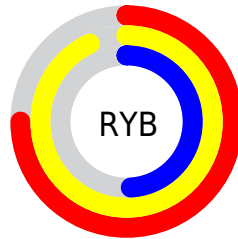
The CIELCh color **81, 40.937, 81.809** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **68, 39.727, 276.765**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 36.298, 104.933**, and **61, 41.235, 82.290** is the 20% darker color. If you saturate the color by 10%, you get **79, 49.975, 80.344**, and if you desaturate by 10%, it is **84, 31.899, 83.230**.

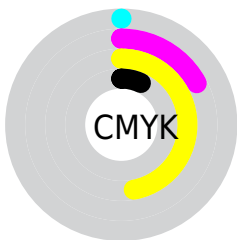
Distribution



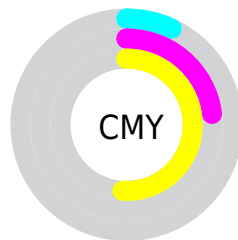
- Red (93%)
- Green (76%)
- Blue (49%)



- Red (75%)
- Yellow (93%)
- Blue (49%)



- Cyan (0%)
- Magenta (17%)
- Yellow (47%)
- Black (7%)



- Cyan (7%)
- Magenta (23%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 40.937, 81.809 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, 40.937, 81.809 by changing the saturation by 10% instead.

 81, 40.937, 81.809

 81, 40.937, 81.809

 100, 40.937,
81.809

 71, 40.937, 81.809

 61, 40.937, 81.809

 51, 40.937, 81.809

 41, 40.937, 81.809

 31, 40.937, 81.809

 21, 40.937, 81.809

 11, 40.937, 81.809

 1, 40.937, 81.809

 0, 40.937, 81.809

81, 40.937, 81.809

81, 40.937, 81.809

79, 49.975, 80.344

84, 31.899, 83.230

76, 58.740, 78.791

86, 22.997, 84.605

74, 66.729, 77.079

89, 14.291, 85.936

72, 73.132, 75.062

92, 5.803, 87.202

70, 77.029, 72.519

94, 2.467, 268.629

69, 77.923, 71.708

97, 5.395, 244.373

99, 6.445, 199.100

Harmonies

Complementary

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



81, 40.937, 81.809



68, 39.727, 276.765

Rectangle

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



81, 40.937, 81.809



81, 40.937, 131.809



81, 40.937, 261.809



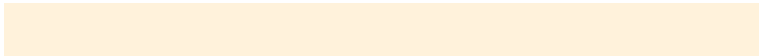
81, 40.937, 311.809

Sweetspot

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



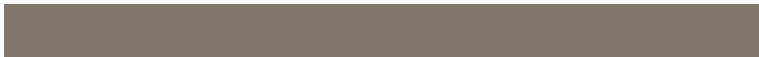
81, 40.937, 81.813



96, 12.472, 86.318



66, 47.488, 356.210



51, 8.636, 86.037



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, 40.937, 81.813



84, 52.225, 80.460



90, 55.726, 111.082



48, 4.700, 86.901



54, 63.822, 72.298



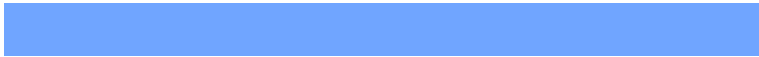
15, 22.905, 74.863

Inverse Universe

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



68, 39.727, 276.765



68, 50.663, 279.331



58, 63.088, 300.062



46, 4.679, 269.435



33, 71.175, 294.400



7, 25.573, 287.039

Previews

White Background



This preview shows how the CIELCh color 81, 40.937, 81.809 looks on a white background.

Color Contrast Check

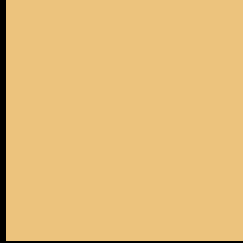
Large Text (above 18pt) WCAG AA × Fail

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, 40.937, 81.809 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, 40.937, 81.809

Background



This preview shows how black text looks on a background with the CIELCh color 81, 40.937, 81.809.



This preview shows how white text looks on a background with the CIELCh color 81, 40.937, 81.809.

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, 22.617, 2.331

Trichromacy



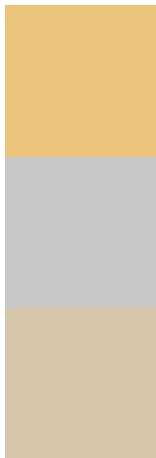
Original Color
81, 40.937, 81.809

Protanomaly
81, 39.328, 90.693

Deuteranomaly
81, 41.107, 77.378

Tritanomaly
81, 22.398, 42.850

Monochromacy



Original Color
81, 40.937, 81.809

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 14.966, 85.961

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 40.937, 81.809 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(236, 195, 125)` looks like.

```
.text, #text, p{  
    color:rgb(236, 195, 125)  
}
```

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(236, 195, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 195, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 40.937, 81.809 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(236, 195, 125) }
```

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

```
.border{ border-color:rgb(236, 195, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 195, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 195, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 195, 125);  
box-shadow:4px 4px 4px 4px rgb(236, 195,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 40.937, 81.809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 195, 125) }
```

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

```
.background{ background-color: rgb(236,  
195, 125) }
```

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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