

Converting Colors

CIELCh(82, 38.700, 92.075)

Have a look what the booklet for
CIELCh(82, 38.700, 92.075) contains.

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Color

CIELCh(82, 38.492, 91.813)

Conversions

Conversions Part 1

Format	Color
Hex	E2CA83
RGB	226, 202, 131
RGB Percent	89%, 79%, 51%
CMY	0.1122, 0.2063, 0.4849
CMYK	0.00, 0.11, 0.42, 0.11
HSL	45°, 62%, 70%
HSV	45°, 42%, 89%
XYZ	56.8174, 60.2982, 30.2433
YIQ	201.0820, 37.0950, -16.9930

Conversions

Conversions Part 2

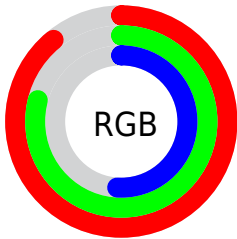
Format	Color
RYB	163, 226, 131
Decimal	14862979
CIELab	82.00, -1.22, 38.47
CIElCh	82, 38.492, 91.813
Yxy	60.2982, 0.3856, 0.4092
Android (android.graphics.Color)	4293053059 (0xFFE2CA83)
YUV	201.0820, -34.5504, 21.8531
Hunter-Lab	77.6519, -5.2836, 31.2645

Details

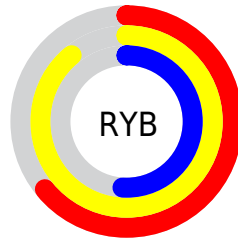
The CIELCh color **82, 38.492, 91.813** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **65, 39.809, 283.908**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 35.183, 107.497**, and **62, 38.515, 91.736** is the 20% darker color. If you saturate the color by 10%, you get **80, 47.589, 90.486**, and if you desaturate by 10%, it is **84, 29.255, 93.118**.

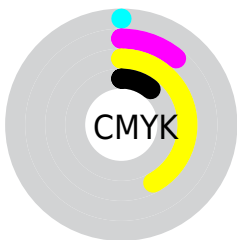
Distribution



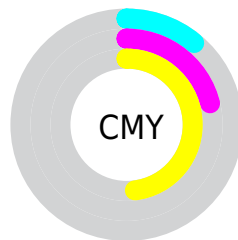
- Red (89%)
- Green (79%)
- Blue (51%)



- Red (64%)
- Yellow (89%)
- Blue (51%)



- Cyan (0%)
- Magenta (11%)
- Yellow (42%)
- Black (11%)



- Cyan (11%)
- Magenta (21%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 38.492, 91.813 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 82, 38.492, 91.813 by changing the saturation by 10% instead.

■ 82, 38.492, 91.813

■ 82, 38.492, 91.813

■ 100, 38.492,
91.813

■ 72, 38.492, 91.813

■ 62, 38.492, 91.813

■ 52, 38.492, 91.813

■ 42, 38.492, 91.813

■ 32, 38.492, 91.813

■ 22, 38.492, 91.813

■ 12, 38.492, 91.813

■ 2, 38.492, 91.813

■ 0, 38.492, 91.813

82, 38.492, 91.813

82, 38.492, 91.813

80, 47.589, 90.486

84, 29.255, 93.118

79, 56.296, 89.118

86, 20.013, 94.384

77, 64.193, 87.694

88, 10.839, 95.610

75, 70.629, 86.163

90, 1.770, 96.705

74, 74.809, 84.433

92, 7.178, 277.998

73, 76.484, 82.867

93, 9.991, 270.451

95, 8.352, 250.064

96, 8.103, 224.802

98, 9.333, 202.461

Harmonies

Complementary

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



82, 38.492, 91.813



65, 39.809, 283.908

Rectangle

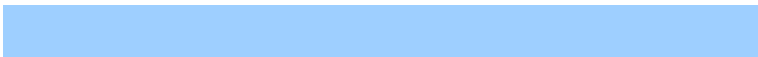
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82, 38.492, 91.813



82, 38.492, 141.813



82, 38.492, 271.813



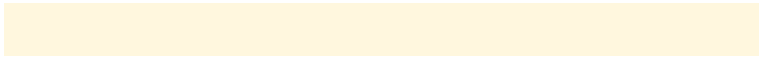
82, 38.492, 321.813

Sweetspot

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



82, 38.493, 91.817



97, 12.965, 95.477



66, 39.506, 3.616



51, 9.086, 95.207



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



82, 38.493, 91.817



90, 50.446, 90.708



87, 49.093, 116.576



46, 5.092, 95.911



58, 63.432, 83.252



15, 22.088, 86.319

Inverse Universe

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



65, 39.809, 283.908



67, 52.847, 285.877



60, 54.111, 302.822



44, 5.130, 278.253



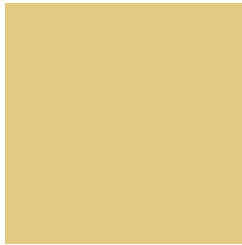
27, 82.930, 300.387



4, 26.130, 289.731

Previews

White Background



This preview shows how the CIELCh color 82, 38.492, 91.813 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 82, 38.492, 91.813 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 82, 38.492, 91.813

Background



This preview shows how black text looks on a background with the CIELCh color 82, 38.492, 91.813.



This preview shows how white text looks on a background with the CIELCh color 82, 38.492, 91.813.

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

82, 38.492, 91.813

Protanopia

82, 38.309, 95.597

Deuteranopia

82, 39.216, 74.917



Tritanopia
82, 17.092, 353.254

Trichromacy



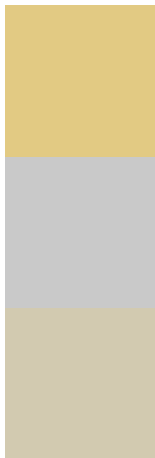
Original Color
82, 38.492, 91.813

Protanomaly
82, 38.129, 93.648

Deuteranomaly
82, 38.739, 81.463

Tritanomaly
82, 16.092, 51.727

Monochromacy



Original Color
82, 38.492, 91.813

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 14.066, 96.283

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 38.492, 91.813 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(226, 202, 131)` looks like.

```
.text, #text, p{  
    color:rgb(226, 202, 131)  
}
```

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(226, 202, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 202, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 38.492, 91.813 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(226, 202, 131) }
```

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

```
.border{ border-color:rgb(226, 202, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 202, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 202, 131); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 202, 131); box-shadow:4px 4px 4px 4px rgb(226, 202, 131) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 38.492, 91.813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 202, 131) }
```

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

```
.background{ background-color: rgb(226,  
202, 131) }
```

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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