

Converting Colors

CIELCh(82, 37.774, 91.643)

Have a look what the booklet for
CIELCh(82, 37.774, 91.643) contains.

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Color

CIELCh(82, 37.505, 91.539)

Conversions

Conversions Part 1

Format	Color
Hex	E2CA85
RGB	226, 202, 133
RGB Percent	89%, 79%, 52%
CMY	0.1125, 0.2067, 0.4773
CMYK	0.00, 0.11, 0.41, 0.11
HSL	45°, 62%, 71%
HSV	45°, 41%, 89%
XYZ	56.9026, 60.2982, 30.9307
YIQ	201.3100, 36.4530, -16.3710

Conversions

Conversions Part 2

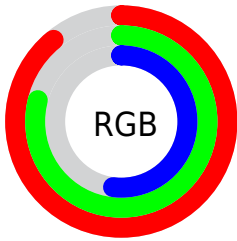
Format	Color
R _Y B	165, 226, 133
Decimal	14862981
CIE Lab	82.00, -1.01, 37.49
CIE LCh	82, 37.505, 91.539
Yxy	60.2982, 0.3841, 0.4071
Android (android.graphics.Color)	4293053061 (0xFFE2CA85)
YUV	201.3100, -33.6768, 21.6531
Hunter-Lab	77.6519, -5.0877, 30.7396

Details

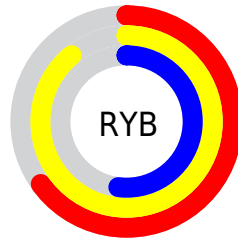
The CIELCh color **82, 37.505, 91.539** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **66, 38.653, 283.374**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 34.195, 107.573**, and **62, 37.509, 91.503** is the 20% darker color. If you saturate the color by 10%, you get **80, 46.597, 90.207**, and if you desaturate by 10%, it is **84, 28.298, 92.847**.

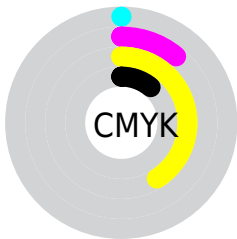
Distribution



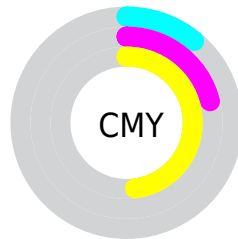
- Red (89%)
- Green (79%)
- Blue (52%)



- Red (65%)
- Yellow (89%)
- Blue (52%)



- Cyan (0%)
- Magenta (11%)
- Yellow (41%)
- Black (11%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 37.505, 91.539 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, 37.505, 91.539 by changing the saturation by 10% instead.

■ 82, 37.505, 91.539

■ 82, 37.505, 91.539

■ 100, 37.505,
91.539

■ 72, 37.505, 91.539

■ 62, 37.505, 91.539

■ 52, 37.505, 91.539

■ 42, 37.505, 91.539

■ 32, 37.505, 91.539

■ 22, 37.505, 91.539

■ 12, 37.505, 91.539

■ 2, 37.505, 91.539

■ 0, 37.505, 91.539

82, 37.505, 91.539

82, 37.505, 91.539

80, 46.597, 90.207

84, 28.298, 92.847

78, 55.339, 88.833

86, 19.102, 94.117

77, 63.331, 87.402

88, 9.985, 95.342

75, 69.945, 85.865

90, 0.979, 96.342

74, 74.380, 84.128

92, 7.903, 277.731

72, 76.342, 82.365

94, 9.766, 268.377

95, 8.250, 246.711

96, 8.230, 220.909

98, 9.695, 199.275

Harmonies

Complementary

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



82, 37.505, 91.539



66, 38.653, 283.374

Rectangle

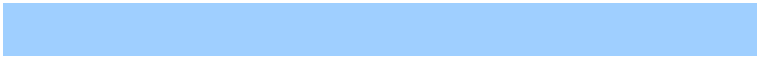
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82, 37.505, 91.539



82, 37.505, 141.539



82, 37.505, 271.539



82, 37.505, 321.539

Sweetspot

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



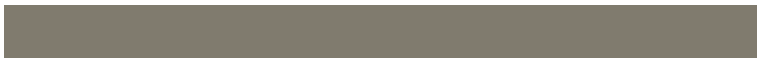
82, 37.506, 91.543



97, 11.894, 95.225



66, 38.646, 3.459



52, 7.896, 95.067



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, 37.506, 91.543



90, 49.242, 90.448



87, 48.107, 116.628



46, 5.063, 95.540



57, 63.329, 82.759



15, 21.990, 85.832

Inverse Universe

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



66, 38.653, 283.374



68, 51.343, 285.294



61, 52.893, 302.729



44, 5.099, 277.892



27, 82.344, 300.161



4, 26.002, 289.552

Previews

White Background



This preview shows how the CIELCh color 82, 37.505, 91.539 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, 37.505, 91.539 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, 37.505, 91.539

Background



This preview shows how black text looks on a background with the CIELCh color 82, 37.505, 91.539.



This preview shows how white text looks on a background with the CIELCh color 82, 37.505, 91.539.

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, 37.505, 91.539

Protanopia

82, 37.312, 95.413

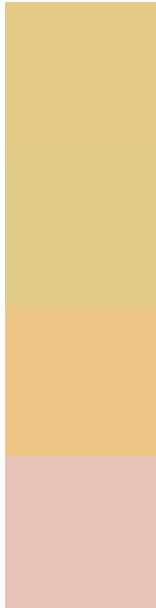
Deuteranopia

82, 38.315, 74.248



Tritanopia
82, 17.092, 353.254

Trichromacy



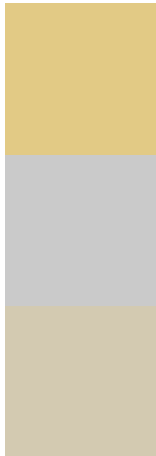
Original Color
82, 37.505, 91.539

Protanomaly
82, 37.136, 93.414

Deuteranomaly
82, 37.796, 80.940

Tritanomaly
82, 15.792, 50.184

Monochromacy



Original Color
82, 37.505, 91.539

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 13.643, 94.279

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 37.505, 91.539 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, 133)` looks like.

```
.text, #text, p{  
    color:rgb(226, 202, 133)  
}
```

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, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 202, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 37.505, 91.539 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, 133) }
```

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

```
.border{ border-color:rgb(226, 202, 133) }
```

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, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 202, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 202, 133);  
box-shadow:4px 4px 4px 4px rgb(226, 202,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 37.505, 91.539 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, 133) }
```

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

```
.background{ background-color: rgb(226,  
202, 133) }
```

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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