

# Converting Colors

CIELCh(82, 27.158, 81.612)

Have a look what the booklet for  
CIELCh(82, 27.158, 81.612) contains.

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# Color

**CIELCh(82, 27.228, 81.533)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E6C89A
RGB	230, 200, 154
RGB Percent	90%, 78%, 60%
CMY	0.0991, 0.2166, 0.3970
CMYK	0.00, 0.13, 0.33, 0.10
HSL	36°, 60%, 75%
HSV	36°, 33%, 90%
XYZ	58.9590, 60.2982, 38.9987
YIQ	203.7260, 32.6460, -7.9460

# Conversions

## Conversions Part 2

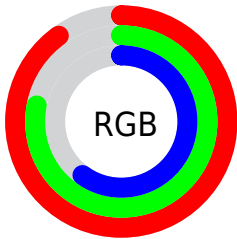
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	204, 230, 154
Decimal	15124634
CIE <sub>Lab</sub>	82.00, 4.01, 26.93
CIE <sub>LCh</sub>	82, 27.228, 81.533
Yxy	60.2982, 0.3726, 0.3810
Android (android.graphics.Color)	4293314714 (0xFFE6C89A)
YUV	203.7260, -24.5149, 23.0423
Hunter-Lab	77.6519, -0.3607, 24.5795

# Details

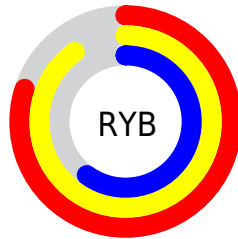
The CIELCh color **82, 27.228, 81.533** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **74, 26.287, 271.323**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 23.230, 108.417**, and **62, 26.854, 81.417** is the 20% darker color. If you saturate the color by 10%, you get **79, 35.942, 80.142**, and if you desaturate by 10%, it is **85, 18.719, 82.897**.

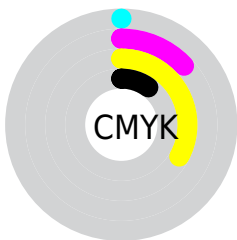
# Distribution



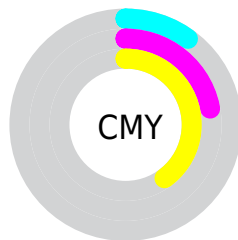
- Red (90%)
- Green (78%)
- Blue (60%)



- Red (80%)
- Yellow (90%)
- Blue (60%)



- Cyan (0%)
- Magenta (13%)
- Yellow (33%)
- Black (10%)



- Cyan (10%)
- Magenta (22%)
- Yellow (40%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 27.228, 81.533 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, 27.228, 81.533 by changing the saturation by 10% instead.



 82, 27.228, 81.533

 82, 27.228, 81.533

 100, 27.228,  
81.533

 72, 27.228, 81.533

 62, 27.228, 81.533

 52, 27.228, 81.533

 42, 27.228, 81.533

 32, 27.228, 81.533

 22, 27.228, 81.533

 12, 27.228, 81.533

 2, 27.228, 81.533

 0, 27.228, 81.533

82, 27.228, 81.533

82, 27.228, 81.533

79, 35.942, 80.142

85, 18.719, 82.897

77, 44.771, 78.700

87, 10.445, 84.208

74, 53.527, 77.191

90, 2.411, 85.391

72, 61.840, 75.554

93, 5.393, 266.819

70, 69.051, 73.667

96, 7.213, 244.145

67, 74.216, 71.310

98, 8.321, 201.942

66, 76.528, 69.379

98, 8.608, 198.938

# Harmonies

# Complementary

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



82, 27.228, 81.533



74, 26.287, 271.323

# Rectangle

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



82, 27.228, 81.533



82, 27.228, 131.533



82, 27.228, 261.533



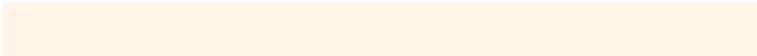
82, 27.228, 311.533

# Sweetspot

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



82, 27.229, 81.539



97, 8.656, 84.590



72, 32.894, 352.937



51, 5.918, 84.412



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, 27.229, 81.539



88, 36.194, 80.543



89, 38.922, 111.401



47, 4.509, 84.665



52, 63.303, 69.981



14, 21.403, 72.158





# Inverse Universe

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



74, 26.287, 271.323



77, 34.684, 272.919



67, 42.193, 297.569



45, 4.476, 267.216



33, 67.331, 292.687

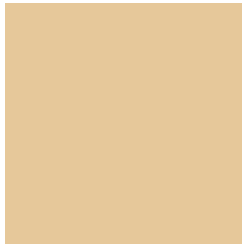


7, 23.489, 284.437



# Previews

## White Background



This preview shows how the CIELCh color 82, 27.228, 81.533 looks on a white background.

## Color Contrast Check

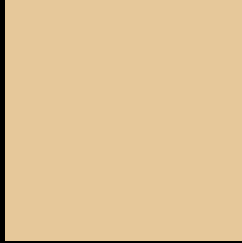
Large Text (above 18pt) WCAG AA × Fail

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 82, 27.228, 81.533 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, 27.228, 81.533

## Background



This preview shows how black text looks on a background with the CIELCh color 82, 27.228, 81.533.



This preview shows how white text looks on a background with the CIELCh color 82, 27.228, 81.533.

# 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, 27.228, 81.533

### Protanopia

82, 25.842, 95.411

### Deuteranopia

82, 28.351, 69.147



**Tritanopia**  
82, 17.759, 354.456



# Trichromacy



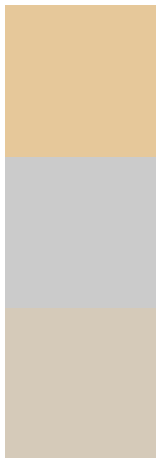
**Original Color**  
82, 27.228, 81.533

**Protanomaly**  
82, 26.048, 89.986

**Deuteranomaly**  
82, 27.452, 73.012

**Tritanomaly**  
82, 15.451, 34.234

# Monochromacy



**Original Color**  
82, 27.228, 81.533

**Achromatopsia**  
82, 0.010, 296.813

**Achromatomaly**  
82, 9.895, 84.367

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 82, 27.228, 81.533 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(230, 200, 154)` looks like.

```
.text, #text, p{  
    color:rgb(230, 200, 154)  
}
```

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(230, 200, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 200, 154) }
```

## Border

The CSS property to change the border of an element to CIELCh 82, 27.228, 81.533 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(230, 200, 154) }
```

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

```
.border{ border-color:rgb(230, 200, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 200, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 200, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 200, 154);  
box-shadow:4px 4px 4px 4px rgb(230, 200,  
154) }
```

# Background

The CSS property to change the background color of an element to CIELCh 82, 27.228, 81.533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 200, 154) }
```

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

```
.background{ background-color: rgb(230,  
200, 154) }
```

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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