

# Converting Colors

CIELCh(81, 39.806, 89.335)

Have a look what the booklet for  
CIELCh(81, 39.806, 89.335) contains.

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# Color

**CIELCh(81, 40.078, 89.677)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3C77E
RGB	227, 199, 126
RGB Percent	89%, 78%, 49%
CMY	0.1112, 0.2209, 0.5071
CMYK	0.00, 0.12, 0.45, 0.11
HSL	43°, 64%, 69%
HSV	43°, 45%, 89%
XYZ	55.6652, 58.4711, 27.9874
YIQ	199.0500, 40.1210, -16.7670

# Conversions

## Conversions Part 2

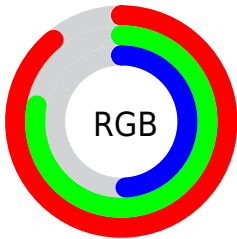
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 227, 126
Decimal	14927742
CIELab	81.00, 0.23, 40.08
CIELCh	81, 40.078, 89.677
Yxy	58.4711, 0.3917, 0.4114
Android (android.graphics.Color)	4293117822 (0xFFE3C77E)
YUV	199.0500, -36.0136, 24.5122
Hunter-Lab	76.4664, -3.8737, 31.8258

# Details

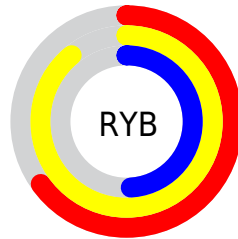
The CIELCh color **81, 40.078, 89.677** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **64, 41.097, 282.926**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 37.646, 107.307**, and **61, 40.157, 89.323** is the 20% darker color. If you saturate the color by 10%, you get **79, 49.033, 88.306**, and if you desaturate by 10%, it is **83, 30.980, 91.019**.

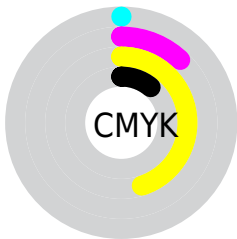
# Distribution



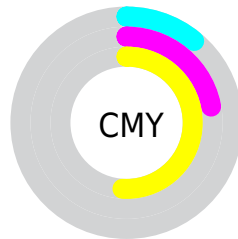
- Red (89%)
- Green (78%)
- Blue (49%)



- Red (65%)
- Yellow (89%)
- Blue (49%)



- Cyan (0%)
- Magenta (12%)
- Yellow (45%)
- Black (11%)



- Cyan (11%)
- Magenta (22%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 40.078, 89.677 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, 40.078, 89.677 by changing the saturation by 10% instead.



■ 81, 40.078, 89.677

■ 81, 40.078, 89.677

■ 100, 40.078,  
89.677

■ 71, 40.078, 89.677

■ 61, 40.078, 89.677

■ 51, 40.078, 89.677

■ 41, 40.078, 89.677

■ 31, 40.078, 89.677

■ 21, 40.078, 89.677

■ 11, 40.078, 89.677

■ 1, 40.078, 89.677

■ 0, 40.078, 89.677

81, 40.078, 89.677

81, 40.078, 89.677

79, 49.033, 88.306

83, 30.980, 91.019

77, 57.569, 86.881

85, 21.886, 92.321

76, 65.221, 85.371

87, 12.875, 93.581

74, 71.278, 83.705

89, 3.985, 94.767

72, 74.928, 81.756

91, 4.770, 276.049

71, 76.061, 80.581

93, 10.094,  
271.909

95, 8.259, 249.609

96, 8.111, 221.647

98, 9.627, 198.866

# Harmonies

# Complementary

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



81, 40.078, 89.677



64, 41.097, 282.926

# Rectangle

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



81, 40.078, 89.677



81, 40.078, 139.677



81, 40.078, 269.677



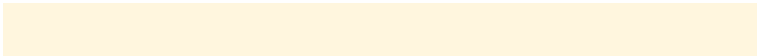
81, 40.078, 319.677

# Sweetspot

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



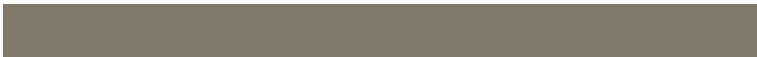
81, 40.079, 89.681



97, 12.648, 93.760



65, 42.190, 2.867



51, 8.866, 93.486



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, 40.079, 89.681



88, 52.445, 88.473



87, 51.847, 115.705



46, 4.965, 94.202



57, 63.012, 81.011



15, 21.658, 84.080





# Inverse Universe

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



64, 41.097, 282.926



66, 54.429, 285.125



59, 57.679, 302.601



44, 4.991, 276.588



28, 80.243, 299.324



5, 25.539, 288.890



# Previews

## White Background



This preview shows how the CIELCh color 81, 40.078, 89.677 looks on a white background.

## Color Contrast Check

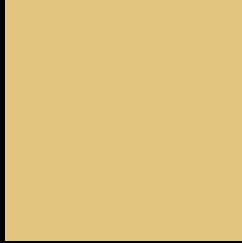
Large Text (above 18pt) WCAG AA × Fail

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, 40.078, 89.677 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, 40.078, 89.677

## Background



This preview shows how black text looks on a background with the CIELCh color 81, 40.078, 89.677.



This preview shows how white text looks on a background with the CIELCh color 81, 40.078, 89.677.

# 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

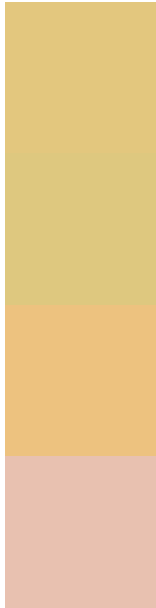




**Tritanopia**  
81, 18.842, 356.145



# Trichromacy



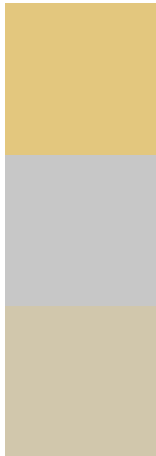
**Original Color**  
81, 40.078, 89.677

**Protanomaly**  
81, 39.320, 93.202

**Deuteranomaly**  
81, 39.973, 79.990

**Tritanomaly**  
81, 17.831, 50.456

# Monochromacy



**Original Color**  
81, 40.078, 89.677

**Achromatopsia**  
80, 0.010, 296.813

**Achromatomaly**  
80, 14.807, 93.689

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 81, 40.078, 89.677 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(227, 199, 126)` looks like.

```
.text, #text, p{  
    color:rgb(227, 199, 126)  
}
```

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(227, 199, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 199, 126) }
```

## Border

The CSS property to change the border of an element to CIELCh 81, 40.078, 89.677 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(227, 199, 126) }
```

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

```
.border{ border-color:rgb(227, 199, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 199, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 199, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 199, 126); box-shadow:4px 4px 4px 4px rgb(227, 199, 126) }
```

# Background

The CSS property to change the background color of an element to CIELCh 81, 40.078, 89.677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 199, 126) }
```

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

```
.background{ background-color: rgb(227,  
199, 126) }
```

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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