

# Converting Colors

CIELCh(83, 39.814, 86.661)

Have a look what the booklet for  
CIELCh(83, 39.814, 86.661) contains.

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# **Color**

**CIELCh(83, 39.700, 86.601)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECCB84
RGB	236, 203, 132
RGB Percent	93%, 80%, 52%
CMY	0.0748, 0.2042, 0.4826
CMYK	0.00, 0.14, 0.44, 0.07
HSL	41°, 73%, 72%
HSV	41°, 44%, 93%
XYZ	60.0671, 62.1629, 30.6391
YIQ	204.7730, 42.4590, -15.0850

# Conversions

## Conversions Part 2

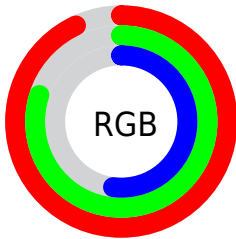
Format	Color
R <sub>Y</sub> B	180, 236, 132
Decimal	15518596
CIE Lab	83.00, 2.35, 39.63
CIE LCh	83, 39.700, 86.601
Yxy	62.1629, 0.3929, 0.4066
Android (android.graphics.Color)	4293708676 (0xFFECCB84)
YUV	204.7730, -35.8771, 27.3861
Hunter-Lab	78.8435, -1.9854, 32.1500

# Details

The CIELCh color **83, 39.700, 86.601** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **68, 39.821, 280.060**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 34.689, 107.535**, and **63, 39.640, 86.730** is the 20% darker color. If you saturate the color by 10%, you get **81, 48.847, 85.182**, and if you desaturate by 10%, it is **85, 30.495, 87.984**.

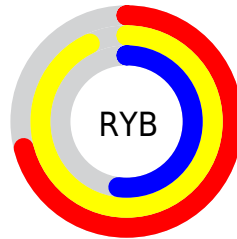
# Distribution



Red (93%)

Green (80%)

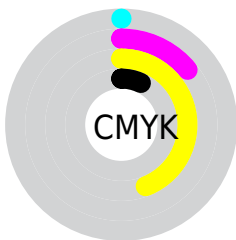
Blue (52%)



Red (71%)

Yellow (93%)

Blue (52%)

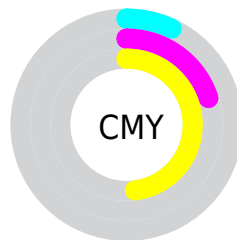


Cyan (0%)

Magenta (14%)

Yellow (44%)

Black (7%)



Cyan (7%)

Magenta (20%)

Yellow (48%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 39.700, 86.601 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 83, 39.700, 86.601 by changing the saturation by 10% instead.



 83, 39.700, 86.601

 83, 39.700, 86.601

 100, 39.700,  
86.601

 73, 39.700, 86.601

 63, 39.700, 86.601

 53, 39.700, 86.601

 43, 39.700, 86.601

 33, 39.700, 86.601

 23, 39.700, 86.601

 13, 39.700, 86.601

 3, 39.700, 86.601

 0, 39.700, 86.601

83, 39.700, 86.601

83, 39.700, 86.601

81, 48.847, 85.182

85, 30.495, 87.984

79, 57.678, 83.697

88, 21.362, 89.321

77, 65.739, 82.104

90, 12.369, 90.613

75, 72.301, 80.308

92, 3.540, 91.817

73, 76.466, 78.149

95, 5.117, 273.151

72, 77.885, 76.696

97, 5.434, 241.742

99, 6.540, 199.093

# Harmonies

# Complementary

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



83, 39.700, 86.601



68, 39.821, 280.060

# Rectangle

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



83, 39.700, 86.601



83, 39.700, 136.601



83, 39.700, 266.601



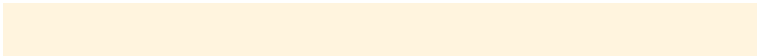
83, 39.700, 316.601

# Sweetspot

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



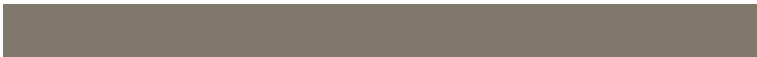
83, 39.701, 86.605



97, 12.153, 90.742



67, 43.739, 359.186



51, 8.523, 90.462



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



83, 39.701, 86.605



87, 50.987, 85.306



90, 52.687, 113.531



48, 4.944, 91.188



56, 63.910, 77.204



16, 23.571, 80.072





# Inverse Universe

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



68, 39.821, 280.060



68, 51.487, 282.411



61, 58.836, 301.079



46, 4.951, 273.653



30, 77.444, 297.421



6, 27.399, 289.720



# Previews

## White Background



This preview shows how the CIELCh color 83, 39.700, 86.601 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 83, 39.700, 86.601 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 83, 39.700, 86.601

## Background



This preview shows how black text looks on a background with the CIELCh color 83, 39.700, 86.601.



This preview shows how white text looks on a background with the CIELCh color 83, 39.700, 86.601.

# 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

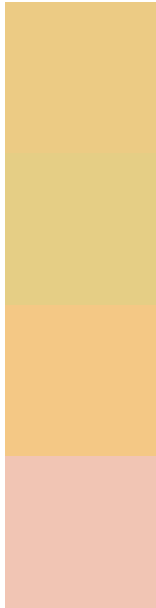




**Tritanopia**  
83, 20.495, 358.525



# Trichromacy



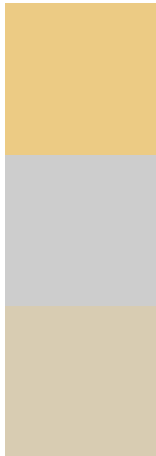
**Original Color**  
83, 39.700, 86.601

**Protanomaly**  
83, 39.234, 92.748

**Deuteranomaly**  
83, 39.944, 79.616

**Tritanomaly**  
83, 19.509, 47.615

# Monochromacy



**Original Color**  
83, 39.700, 86.601

**Achromatopsia**  
82, 0.010, 296.813

**Achromatomaly**  
82, 14.459, 90.291

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 83, 39.700, 86.601 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, 203, 132)` looks like.

```
.text, #text, p{  
    color:rgb(236, 203, 132)  
}
```

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, 203, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 203, 132) }
```

## Border

The CSS property to change the border of an element to CIELCh 83, 39.700, 86.601 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, 203, 132) }
```

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

```
.border{ border-color:rgb(236, 203, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 203, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 203, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 203, 132);  
box-shadow:4px 4px 4px 4px rgb(236, 203,  
132) }
```

# Background

The CSS property to change the background color of an element to CIELCh 83, 39.700, 86.601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 203, 132) }
```

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

```
.background{ background-color: rgb(236,  
203, 132) }
```

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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