

# Converting Colors

CIELCh(84, 19.848, 86.530)

Have a look what the booklet for  
CIELCh(84, 19.848, 86.530) contains.

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# Color

**CIELCh(84, 19.848, 86.530)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | E2CFAC                     |
| RGB           | 226, 207, 172              |
| RGB Percent   | 89%, 81%, 67%              |
| CMY           | 0.1120, 0.1865, 0.3239     |
| CMYK          | 0.00, 0.08, 0.24, 0.11     |
| HSL           | 39°, 49%, 78%              |
| HSV           | 39°, 24%, 89%              |
| XYZ           | 61.4031, 64.0658, 48.3674  |
| YIQ           | 208.6910, 22.5590, -6.8570 |

# Conversions

## Conversions Part 2

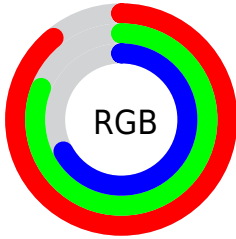
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 201, 226, 172                  |
| Decimal                             | 14864300                       |
| CIE Lab                             | 84.00, 1.20, 19.81             |
| CIE LCh                             | 84, 19.848, 86.530             |
| Yxy                                 | 64.0658, 0.3532,<br>0.3685     |
| Android<br>(android.graphics.Color) | 4293054380<br>(0xFFE2CFAC)     |
| YUV                                 | 208.6910, -18.0887,<br>15.1800 |
| Hunter-Lab                          | 80.0411, -3.1365,<br>20.2009   |

# Details

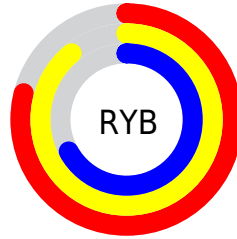
The CIELCh color **84, 19.848, 86.530** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **77, 19.634, 273.177**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 14.168, 109.107**, and **64, 19.686, 86.854** is the 20% darker color. If you saturate the color by 10%, you get **82, 28.484, 85.185**, and if you desaturate by 10%, it is **86, 11.391, 87.844**.

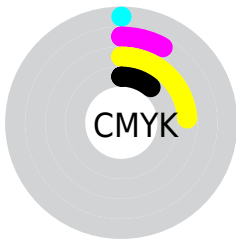
# Distribution



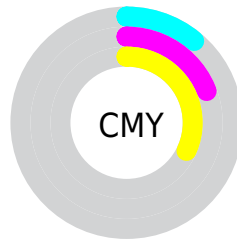
- Red (89%)
- Green (81%)
- Blue (67%)



- Red (79%)
- Yellow (89%)
- Blue (67%)



- Cyan (0%)
- Magenta (8%)
- Yellow (24%)
- Black (11%)



- Cyan (11%)
- Magenta (19%)
- Yellow (32%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 19.848, 86.530 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 84, 19.848, 86.530 by changing the saturation by 10% instead.



 84, 19.848, 86.530

 84, 19.848, 86.530

 100, 19.848,  
86.530

 74, 19.848, 86.530

 64, 19.848, 86.530

 54, 19.848, 86.530

 44, 19.848, 86.530

 34, 19.848, 86.530

 24, 19.848, 86.530

 14, 19.848, 86.530

 4, 19.848, 86.530

 0, 19.848, 86.530

84, 19.848, 86.530

84, 19.848, 86.530

82, 28.484, 85.185

86, 11.391, 87.844

79, 37.248, 83.790

89, 3.127, 89.052

77, 46.028, 82.349

92, 4.945, 270.423

75, 54.606, 80.839

94, 9.102, 262.185

73, 62.569, 79.209

96, 8.026, 228.762

70, 69.234, 77.348

98, 9.700, 198.861

68, 73.699, 75.069

67, 75.413, 73.464

# Harmonies

# Complementary

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



84, 19.848, 86.530



77, 19.634, 273.177

# Rectangle

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



84, 19.848, 86.530



84, 19.848, 136.530



84, 19.848, 266.530



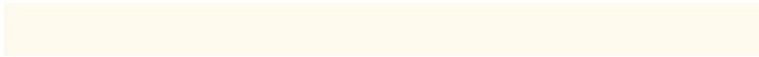
84, 19.848, 316.530

# Sweetspot

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



84, 19.849, 86.538



98, 6.280, 88.692



76, 22.872, 353.933



52, 4.084, 88.618



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



84, 19.849, 86.538



92, 26.730, 85.821



88, 27.993, 113.567



46, 4.607, 88.400



53, 62.452, 74.016



13, 20.572, 76.650





# Inverse Universe

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



77, 19.634, 273.177



83, 26.373, 274.165



73, 29.562, 297.579



44, 4.597, 270.902



31, 71.601, 295.399

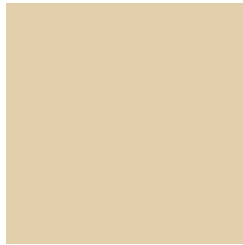


6, 23.544, 285.669



# Previews

## White Background



This preview shows how the CIELCh color 84, 19.848, 86.530 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 84, 19.848, 86.530 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

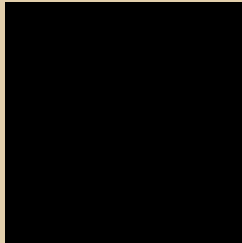
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

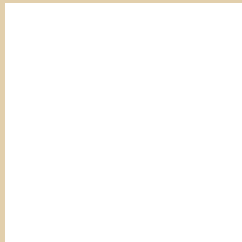
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 84, 19.848, 86.530

## Background



This preview shows how black text looks on a background with the CIELCh color 84, 19.848, 86.530.



This preview shows how white text looks on a background with the CIELCh color 84, 19.848, 86.530.

# 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

84, 19.848, 86.530

### Protanopia

84, 19.441, 94.606

### Deuteranopia

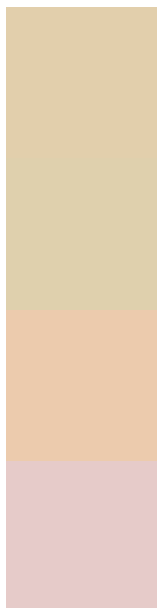
84, 21.697, 60.709



**Tritanopia**  
84, 14.105, 343.887



# Trichromacy



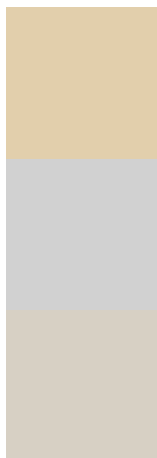
**Original Color**  
84, 19.848, 86.530

**Protanomaly**  
84, 19.280, 90.886

**Deuteranomaly**  
84, 20.558, 69.562

**Tritanomaly**  
84, 10.156, 26.025

# Monochromacy



**Original Color**  
84, 19.848, 86.530

**Achromatopsia**  
84, 0.010, 296.813

**Achromatomaly**  
84, 6.810, 87.067

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 84, 19.848, 86.530 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, 207, 172)` looks like.

```
.text, #text, p{  
    color:rgb(226, 207, 172)  
}
```

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, 207, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 207, 172) }
```

## Border

The CSS property to change the border of an element to CIELCh 84, 19.848, 86.530 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, 207, 172) }
```

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

```
.border{ border-color:rgb(226, 207, 172) }
```

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

Here you see how a box with a 4 pixel rgb(226, 207, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 207, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 207, 172);  
box-shadow:4px 4px 4px 4px rgb(226, 207,  
172) }
```

# Background

The CSS property to change the background color of an element to CIELCh 84, 19.848, 86.530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 207, 172) }
```

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

```
.background{ background-color: rgb(226,  
207, 172) }
```

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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