

Converting Colors

CIELCh(84, 17.437, 83.693)

Have a look what the booklet for
CIELCh(84, 17.437, 83.693) contains.

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Color

CIELCh(84, 17.420, 83.705)

Conversions

Conversions Part 1

Format	Color
Hex	E2CFB1
RGB	226, 207, 177
RGB Percent	89%, 81%, 69%
CMY	0.1132, 0.1877, 0.3053
CMYK	0.00, 0.08, 0.22, 0.11
HSL	37°, 46%, 79%
HSV	37°, 22%, 89%
XYZ	61.7057, 64.0658, 50.7803
YIQ	209.2610, 20.9540, -5.3020

Conversions

Conversions Part 2

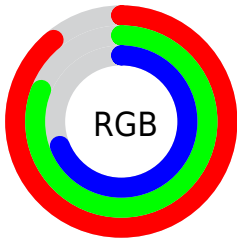
Format	Color
R_{YB}	208, 226, 177
Decimal	14864305
CIE _{Lab}	84.00, 1.91, 17.31
CIE _{LCh}	84, 17.420, 83.705
Y _{xy}	64.0658, 0.3495, 0.3629
Android (android.graphics.Color)	4293054385 (0xFFE2CFB1)
YUV	209.2610, -15.9047, 14.6801
Hunter-Lab	80.0411, -2.4618, 18.4135

Details

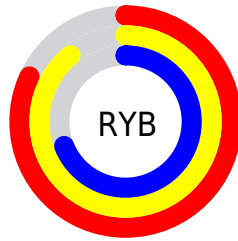
The CIELCh color $84, 17.420, 83.705$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $79, 17.075, 269.752$, and the grayscale version is $84, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 11.136, 109.335$, and $64, 17.623, 84.659$ is the 20% darker color. If you saturate the color by 10%, you get $81, 25.824, 82.363$, and if you desaturate by 10%, it is $87, 9.244, 85.016$.

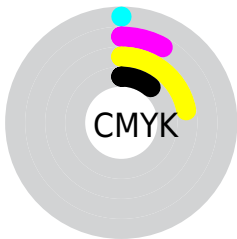
Distribution



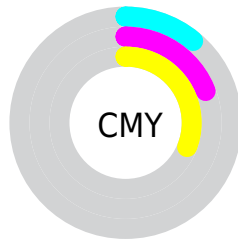
- Red (89%)
- Green (81%)
- Blue (69%)



- Red (82%)
- Yellow (89%)
- Blue (69%)



- Cyan (0%)
- Magenta (8%)
- Yellow (22%)
- Black (11%)



- Cyan (11%)
- Magenta (19%)
- Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 17.420, 83.705 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, 17.420, 83.705 by changing the saturation by 10% instead.

 84, 17.420, 83.705

 84, 17.420, 83.705

 100, 17.420,
83.705

 74, 17.420, 83.705

 64, 17.420, 83.705

 54, 17.420, 83.705

 44, 17.420, 83.705

 34, 17.420, 83.705

 24, 17.420, 83.705

 14, 17.420, 83.705

 4, 17.420, 83.705

 0, 17.420, 83.705

84, 17.420, 83.705

84, 17.420, 83.705

81, 25.824, 82.363

87, 9.244, 85.016

79, 34.423, 80.972

89, 1.296, 86.087

76, 43.141, 79.537

92, 6.432, 267.601

74, 51.806, 78.039

95, 8.442, 250.487

71, 60.080, 76.428

97, 8.631, 212.777

69, 67.358, 74.593

98, 9.796, 198.854

67, 72.742, 72.337

65, 75.544, 70.066

Harmonies

Complementary

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



84, 17.420, 83.705



79, 17.075, 269.752

Rectangle

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



84, 17.420, 83.705



84, 17.420, 133.705



84, 17.420, 263.705



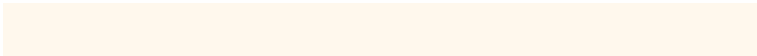
84, 17.420, 313.705

Sweetspot

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



84, 17.421, 83.714



98, 6.068, 85.588



77, 21.062, 351.525



52, 3.947, 85.515



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, 17.421, 83.714



92, 23.190, 83.111



88, 25.365, 112.335



46, 4.454, 85.296



52, 62.575, 70.664



13, 20.190, 72.819

Inverse Universe

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



79, 17.075, 269.752



85, 22.622, 270.564



74, 26.662, 296.173



44, 4.426, 267.835



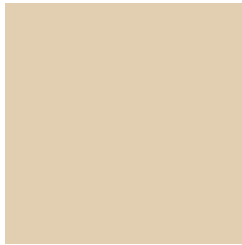
32, 67.363, 293.119



6, 22.498, 283.687

Previews

White Background



This preview shows how the CIELCh color 84, 17.420, 83.705 looks on a white background.

Color Contrast Check

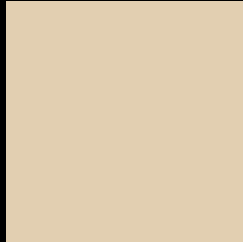
Large Text (above 18pt) WCAG AA × Fail

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, 17.420, 83.705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

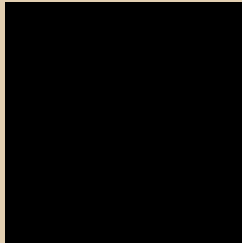
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 17.420, 83.705

Background



This preview shows how black text looks on a background with the CIELCh color 84, 17.420, 83.705.

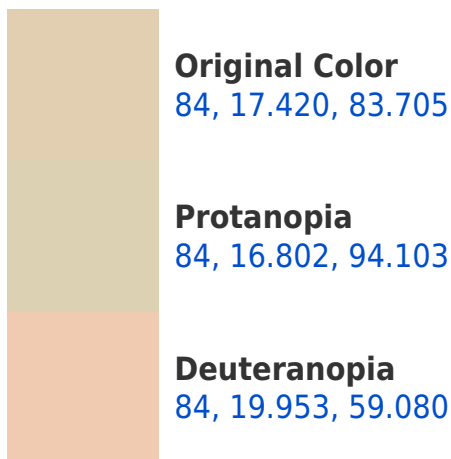


This preview shows how white text looks on a background with the CIELCh color 84, 17.420, 83.705.

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](#).

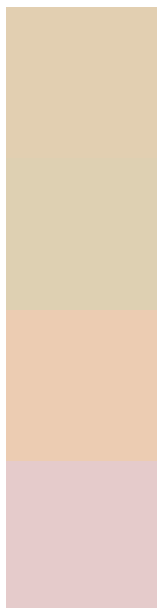
Dichromacy





Tritanopia
84, 13.814, 342.940

Trichromacy



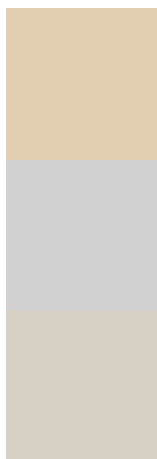
Original Color
84, 17.420, 83.705

Protanomaly
84, 16.655, 89.813

Deuteranomaly
84, 18.615, 66.778

Tritanomaly
84, 9.684, 20.087

Monochromacy



Original Color
84, 17.420, 83.705

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 6.325, 85.322

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 17.420, 83.705 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(226, 207, 177)  
}
```

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, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 207, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 17.420, 83.705 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, 177) }
```

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

```
.border{ border-color:rgb(226, 207, 177) }
```

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, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 207, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 207, 177);  
box-shadow:4px 4px 4px 4px rgb(226, 207,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 17.420, 83.705 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, 177) }
```

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

```
.background{ background-color: rgb(226,  
207, 177) }
```

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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