

Converting Colors

CIELCh(85, 21.502, 89.974)

Have a look what the booklet for
CIELCh(85, 21.502, 89.974) contains.

CIELCh(85, 21.471, 90.330)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(85, 21.471, 90.330)

Conversions

Conversions Part 1

Format	Color
Hex	E4D3AC
RGB	228, 211, 172
RGB Percent	89%, 83%, 67%
CMY	0.1062, 0.1728, 0.3258
CMYK	0.00, 0.07, 0.25, 0.11
HSL	42°, 51%, 78%
HSV	42°, 25%, 89%
XYZ	62.6842, 66.0070, 48.4293
YIQ	211.6370, 22.6510, -8.5250

Conversions

Conversions Part 2

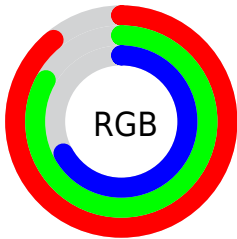
Format	Color
RYB	196, 228, 172
Decimal	14996396
CIELab	85.00, -0.12, 21.47
CIElCh	85, 21.471, 90.330
Yxy	66.0070, 0.3539, 0.3727
Android (android.graphics.Color)	4293186476 (0xFFE4D3AC)
YUV	211.6370, -19.5410, 14.3504
Hunter-Lab	81.2447, -4.4568, 21.5290

Details

The CIELCh color **85, 21.471, 90.330** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **77, 21.539, 277.028**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 13.663, 109.145**, and **65, 21.387, 90.810** is the 20% darker color. If you saturate the color by 10%, you get **83, 30.440, 89.011**, and if you desaturate by 10%, it is **87, 12.620, 91.619**.

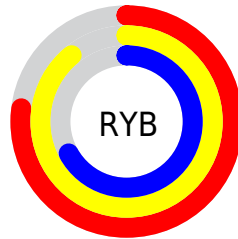
Distribution



Red (89%)

Green (83%)

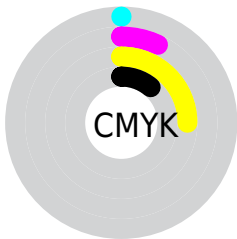
Blue (67%)



Red (77%)

Yellow (89%)

Blue (67%)

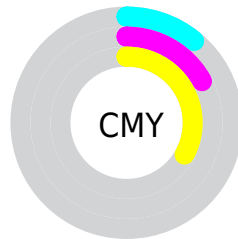


Cyan (0%)

Magenta (7%)

Yellow (25%)

Black (11%)



Cyan (11%)

Magenta (17%)

Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 21.471, 90.330 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 85, 21.471, 90.330 by changing the saturation by 10% instead.

 85, 21.471, 90.330

 85, 21.471, 90.330

 100, 21.471,
90.330

 75, 21.471, 90.330

 65, 21.471, 90.330

 55, 21.471, 90.330

 45, 21.471, 90.330

 35, 21.471, 90.330

 25, 21.471, 90.330

 15, 21.471, 90.330

 5, 21.471, 90.330

 0, 21.471, 90.330

85, 21.471, 90.330

85, 21.471, 90.330

83, 30.440, 89.011

87, 12.620, 91.619

81, 39.453, 87.645

90, 3.914, 92.823

79, 48.373, 86.237

92, 4.635, 274.137

77, 56.939, 84.769

94, 9.122, 267.427

75, 64.694, 83.200

96, 7.625, 238.919

73, 70.922, 81.441

97, 8.409, 207.972

71, 74.771, 79.342

98, 9.210, 198.895

70, 76.011, 78.070

Harmonies

Complementary

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



85, 21.471, 90.330



77, 21.539, 277.028

Rectangle

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



85, 21.471, 90.330



85, 21.471, 140.330



85, 21.471, 270.330



85, 21.471, 320.330

Sweetspot

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



85, 21.472, 90.337



98, 6.592, 92.540



76, 23.152, 357.400



52, 4.286, 92.468



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 21.472, 90.337



93, 27.865, 89.730



89, 29.108, 115.612



47, 4.923, 92.251



56, 63.358, 78.526



15, 22.521, 81.470

Inverse Universe

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



77, 21.539, 277.028



82, 27.976, 277.865



73, 30.740, 299.387



45, 4.937, 274.688



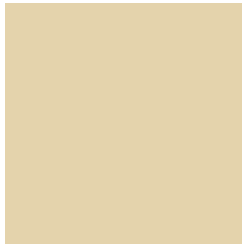
29, 78.161, 298.094



5, 26.363, 289.075

Previews

White Background



This preview shows how the CIELCh color 85, 21.471, 90.330 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 85, 21.471, 90.330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

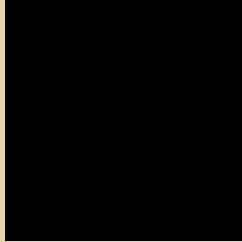
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

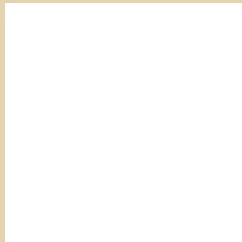
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 21.471, 90.330

Background



This preview shows how black text looks on a background with the CIELCh color 85, 21.471, 90.330.

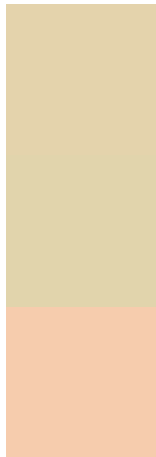


This preview shows how white text looks on a background with the CIELCh color 85, 21.471, 90.330.

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


85, 21.471, 90.330

Protanopia

85, 21.513, 94.698

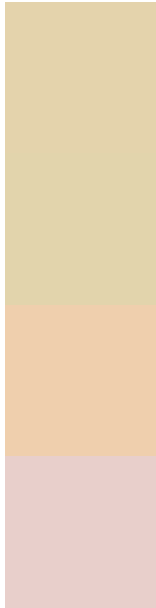
Deuteranopia

85, 23.448, 63.610



Tritanopia
85, 13.778, 342.926

Trichromacy



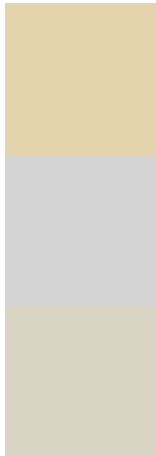
Original Color
85, 21.471, 90.330

Protanomaly
85, 21.611, 93.684

Deuteranomaly
85, 21.946, 73.535

Tritanomaly
85, 9.567, 32.628

Monochromacy



Original Color
85, 21.471, 90.330

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 8.156, 93.556

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 21.471, 90.330 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(228, 211, 172)` looks like.

```
.text, #text, p{  
    color:rgb(228, 211, 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(228, 211, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 211, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 21.471, 90.330 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(228, 211, 172) }
```

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

```
.border{ border-color:rgb(228, 211, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 211, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 211, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 211, 172);  
box-shadow:4px 4px 4px 4px rgb(228, 211,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 21.471, 90.330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 211, 172) }
```

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

```
.background{ background-color: rgb(228,  
211, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor