

Converting Colors

CIELCh(86, 22.314, 83.669)

Have a look what the booklet for
CIELCh(86, 22.314, 83.669) contains.

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Color

CIELCh(86, 22.499, 83.630)

Conversions

Conversions Part 1

Format	Color
Hex	ECD4AD
RGB	236, 212, 173
RGB Percent	93%, 83%, 68%
CMY	0.0742, 0.1683, 0.3213
CMYK	0.00, 0.10, 0.27, 0.07
HSL	37°, 62%, 80%
HSV	37°, 27%, 93%
XYZ	65.7266, 67.9871, 49.2280
YIQ	214.7300, 26.8230, -7.0410

Conversions

Conversions Part 2

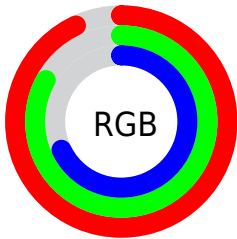
Format	Color
R_YB	212, 236, 173
Decimal	15520941
CIE Lab	86.00, 2.50, 22.36
CIE LCh	86, 22.499, 83.630
Yxy	67.9871, 0.3593, 0.3716
Android (android.graphics.Color)	4293711021 (0xFFECD4AD)
YUV	214.7300, -20.5729, 18.6538
Hunter-Lab	82.4543, -2.0076, 22.3199

Details

The CIELCh color **86, 22.499, 83.630** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **79, 21.992, 271.265**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 13.158, 109.183**, and **66, 22.797, 85.028** is the 20% darker color. If you saturate the color by 10%, you get **83, 31.340, 82.262**, and if you desaturate by 10%, it is **89, 13.874, 84.969**.

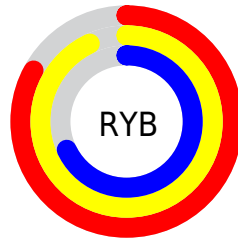
Distribution



Red (93%)

Green (83%)

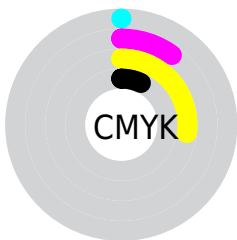
Blue (68%)



Red (83%)

Yellow (93%)

Blue (68%)

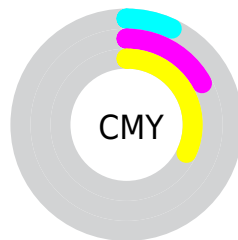


Cyan (0%)

Magenta (10%)

Yellow (27%)

Black (7%)



Cyan (7%)

Magenta (17%)

Yellow (32%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 22.499, 83.630 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 86, 22.499, 83.630 by changing the saturation by 10% instead.

 86, 22.499, 83.630

 86, 22.499, 83.630

 100, 22.499,
83.630

 76, 22.499, 83.630

 66, 22.499, 83.630

 56, 22.499, 83.630

 46, 22.499, 83.630

 36, 22.499, 83.630

 26, 22.499, 83.630

 16, 22.499, 83.630

 6, 22.499, 83.630

 0, 22.499, 83.630

86, 22.499, 83.630

86, 22.499, 83.630

83, 31.340, 82.262

89, 13.874, 84.969

81, 40.340, 80.846

92, 5.478, 86.233

78, 49.371, 79.378

94, 2.690, 267.660

76, 58.175, 77.827

97, 5.381, 240.785

73, 66.264, 76.116

99, 6.490, 199.097

71, 72.838, 74.095

69, 76.944, 71.529

68, 77.976, 70.617

Harmonies

Complementary

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



86, 22.499, 83.630



79, 21.992, 271.265

Rectangle

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



86, 22.499, 83.630



86, 22.499, 133.630



86, 22.499, 263.630



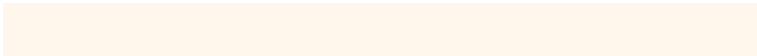
86, 22.499, 313.630

Sweetspot

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



86, 22.500, 83.637



98, 6.990, 86.071



77, 26.777, 353.198



52, 4.979, 85.884



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 22.500, 83.637



91, 28.930, 82.894



92, 32.297, 112.631



48, 4.649, 85.894



53, 63.877, 71.222



15, 22.785, 73.673

Inverse Universe

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



79, 21.992, 271.265



82, 28.139, 272.341



73, 34.381, 297.331



46, 4.623, 268.440



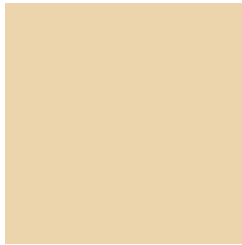
33, 69.782, 293.657



7, 25.147, 286.326

Previews

White Background



This preview shows how the CIELCh color 86, 22.499, 83.630 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 86, 22.499, 83.630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

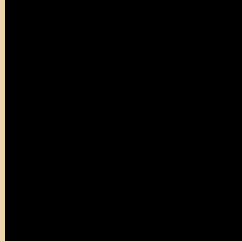
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 22.499, 83.630

Background



This preview shows how black text looks on a background with the CIELCh color 86, 22.499, 83.630.



This preview shows how white text looks on a background with the CIELCh color 86, 22.499, 83.630.

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

86, 22.499, 83.630

Protanopia

86, 21.962, 94.990

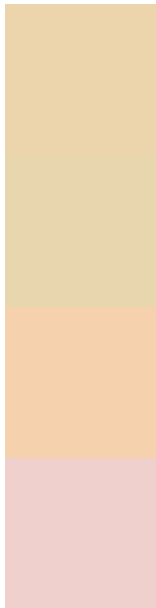
Deuteranopia

86, 24.447, 64.576



Tritanopia
86, 15.871, 348.842

Trichromacy



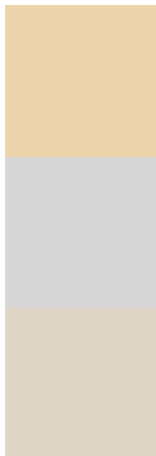
Original Color
86, 22.499, 83.630

Protanomaly
86, 21.911, 90.721

Deuteranomaly
86, 23.315, 71.052

Tritanomaly
86, 12.181, 30.064

Monochromacy



Original Color
86, 22.499, 83.630

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 8.034, 84.861

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 22.499, 83.630 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, 212, 173)` looks like.

```
.text, #text, p{  
    color:rgb(236, 212, 173)  
}
```

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, 212, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 212, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 22.499, 83.630 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, 212, 173) }
```

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

```
.border{ border-color:rgb(236, 212, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 212, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 212, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 212, 173);  
box-shadow:4px 4px 4px 4px rgb(236, 212,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 22.499, 83.630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 212, 173) }
```

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

```
.background{ background-color: rgb(236,  
212, 173) }
```

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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