

Converting Colors

CIELCh(83, 26.387, 87.022)

Have a look what the booklet for
CIELCh(83, 26.387, 87.022) contains.

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Color

CIELCh(83, 26.568, 86.706)

Conversions

Conversions Part 1

Format	Color
Hex	E4CC9D
RGB	228, 204, 157
RGB Percent	89%, 80%, 62%
CMY	0.1056, 0.1997, 0.3840
CMYK	0.00, 0.11, 0.31, 0.11
HSL	40°, 57%, 76%
HSV	40°, 31%, 89%
XYZ	59.7204, 62.1629, 40.7807
YIQ	205.8180, 29.3910, -9.5290

Conversions

Conversions Part 2

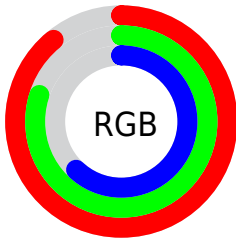
Format	Color
RYB	193, 228, 157
Decimal	14994589
CIELab	83.00, 1.53, 26.52
CIElCh	83, 26.568, 86.706
Yxy	62.1629, 0.3671, 0.3822
Android (android.graphics.Color)	4293184669 (0xFFE4CC9D)
YUV	205.8180, -24.0673, 19.4536
Hunter-Lab	78.8435, -2.7704, 24.5235

Details

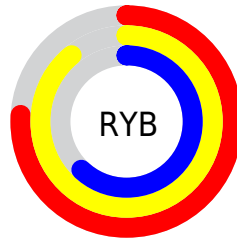
The CIELCh color **83, 26.568, 86.706** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **73, 26.341, 275.649**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 21.724, 108.532**, and **63, 26.802, 86.529** is the 20% darker color. If you saturate the color by 10%, you get **81, 35.417, 85.335**, and if you desaturate by 10%, it is **85, 17.847, 88.047**.

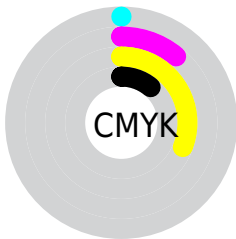
Distribution



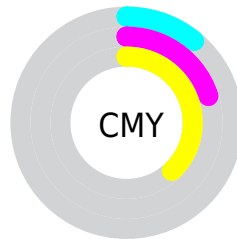
- Red (89%)
- Green (80%)
- Blue (62%)



- Red (76%)
- Yellow (89%)
- Blue (62%)



- Cyan (0%)
- Magenta (11%)
- Yellow (31%)
- Black (11%)



- Cyan (11%)
- Magenta (20%)
- Yellow (38%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 26.568, 86.706 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, 26.568, 86.706 by changing the saturation by 10% instead.

 83, 26.568, 86.706

 83, 26.568, 86.706

 100, 26.568,
86.706

 73, 26.568, 86.706

 63, 26.568, 86.706

 53, 26.568, 86.706

 43, 26.568, 86.706

 33, 26.568, 86.706

 23, 26.568, 86.706

 13, 26.568, 86.706

 3, 26.568, 86.706

 0, 26.568, 86.706

83, 26.568, 86.706

83, 26.568, 86.706

81, 35.417, 85.335

85, 17.847, 88.047

78, 44.294, 83.914

88, 9.295, 89.332

76, 53.008, 82.434

90, 0.926, 90.323

74, 61.198, 80.857

93, 7.262, 271.856

72, 68.249, 79.097

95, 7.970, 252.347

70, 73.293, 76.997

97, 7.886, 216.715

68, 75.829, 74.773

98, 9.159, 198.899

Harmonies

Complementary

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



83, 26.568, 86.706



73, 26.341, 275.649

Rectangle

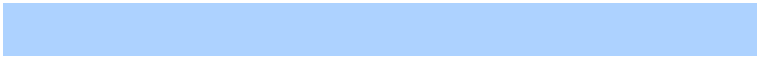
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 26.568, 86.706



83, 26.568, 136.706



83, 26.568, 266.706



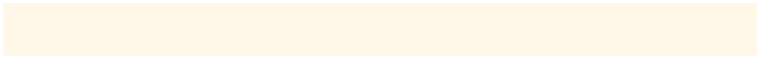
83, 26.568, 316.706

Sweetspot

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



83, 26.569, 86.712



98, 8.206, 89.589



72, 30.031, 355.988



52, 5.713, 89.408



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, 26.569, 86.712



90, 34.765, 85.877



88, 36.628, 113.723



47, 4.757, 89.539



55, 63.141, 75.284



15, 22.027, 78.065

Inverse Universe

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



73, 26.341, 275.649



78, 34.437, 276.917



68, 39.406, 298.958



45, 4.753, 272.029



31, 74.100, 296.247



6, 25.326, 287.552

Previews

White Background



This preview shows how the CIELCh color 83, 26.568, 86.706 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 83, 26.568, 86.706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

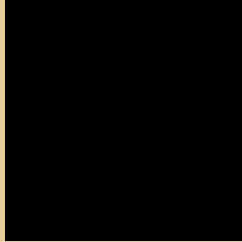
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 26.568, 86.706

Background



This preview shows how black text looks on a background with the CIELCh color 83, 26.568, 86.706.

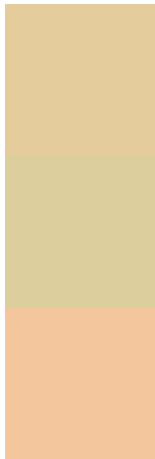


This preview shows how white text looks on a background with the CIELCh color 83, 26.568, 86.706.

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

83, 26.568, 86.706

Protanopia

83, 25.889, 94.573

Deuteranopia

83, 28.138, 67.963



Tritanopia
83, 15.729, 350.547

Trichromacy



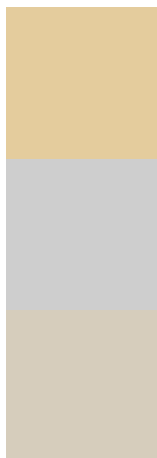
Original Color
83, 26.568, 86.706

Protanomaly
83, 25.849, 90.885

Deuteranomaly
83, 27.118, 73.757

Tritanomaly
83, 12.913, 39.170

Monochromacy



Original Color
83, 26.568, 86.706

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 9.570, 88.537

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 26.568, 86.706 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, 204, 157)` looks like.

```
.text, #text, p{  
    color:rgb(228, 204, 157)  
}
```

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, 204, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 204, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 26.568, 86.706 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, 204, 157) }
```

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

```
.border{ border-color:rgb(228, 204, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 204, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 204, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 204, 157); box-shadow:4px 4px 4px 4px rgb(228, 204, 157) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 26.568, 86.706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 204, 157) }
```

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

```
.background{ background-color: rgb(228,  
204, 157) }
```

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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