

Converting Colors

CIELCh(83, 28.257, 89.480)

Have a look what the booklet for
CIELCh(83, 28.257, 89.480) contains.

CIELCh(83, 28.231, 89.498)	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(83, 28.231, 89.498)

Conversions

Conversions Part 1

Format	Color
Hex	E3CD9A
RGB	227, 205, 154
RGB Percent	89%, 80%, 60%
CMY	0.1108, 0.1970, 0.3970
CMYK	0.00, 0.10, 0.32, 0.11
HSL	42°, 56%, 75%
HSV	42°, 32%, 89%
XYZ	59.1868, 62.1629, 39.3502
YIQ	205.7640, 29.4830, -11.1970

Conversions

Conversions Part 2

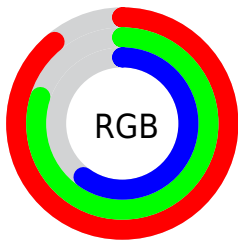
Format	Color
RYB	185, 227, 154
Decimal	14929306
CIELab	83.00, 0.25, 28.23
CIELCh	83, 28.231, 89.498
Yxy	62.1629, 0.3683, 0.3868
Android (android.graphics.Color)	4293119386 (0xFFE3CD9A)
YUV	205.7640, -25.5197, 18.6240
Hunter-Lab	78.8435, -3.9784, 25.5993

Details

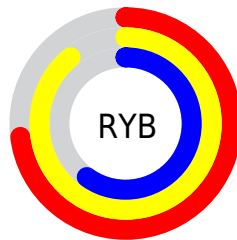
The CIELCh color **83, 28.231, 89.498** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **72, 28.392, 278.602**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 23.230, 108.417**, and **63, 28.530, 89.383** is the 20% darker color. If you saturate the color by 10%, you get **81, 37.217, 88.150**, and if you desaturate by 10%, it is **85, 19.311, 90.818**.

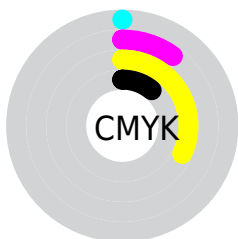
Distribution



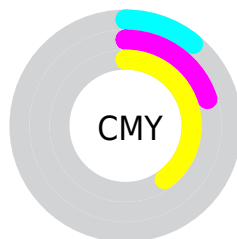
- Red (89%)
- Green (80%)
- Blue (60%)



- Red (73%)
- Yellow (89%)
- Blue (60%)



- Cyan (0%)
- Magenta (10%)
- Yellow (32%)
- Black (11%)



- Cyan (11%)
- Magenta (20%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 28.231, 89.498 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, 28.231, 89.498 by changing the saturation by 10% instead.

83, 28.231, 89.498

83, 28.231, 89.498

100, 28.231,
89.498

73, 28.231, 89.498

63, 28.231, 89.498

53, 28.231, 89.498

43, 28.231, 89.498

33, 28.231, 89.498

23, 28.231, 89.498

13, 28.231, 89.498

3, 28.231, 89.498

0, 28.231, 89.498

83, 28.231, 89.498

83, 28.231, 89.498

81, 37.217, 88.150

85, 19.311, 90.818

79, 46.147, 86.755

87, 10.512, 92.085

77, 54.796, 85.308

90, 1.860, 93.212

75, 62.763, 83.774

92, 6.637, 274.564

73, 69.396, 82.078

94, 9.172, 264.083

71, 73.851, 80.089

96, 7.921, 236.025

70, 75.742, 78.290

97, 8.833, 206.999

98, 9.596, 198.868

Harmonies

Complementary

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



83, 28.231, 89.498



72, 28.392, 278.602

Rectangle

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



83, 28.231, 89.498



83, 28.231, 139.498



83, 28.231, 269.498



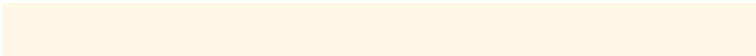
83, 28.231, 319.498

Sweetspot

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



83, 28.232, 89.504



97, 9.469, 92.345



71, 30.512, 358.433



52, 6.469, 92.172



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, 28.232, 89.504



91, 37.792, 88.551



88, 37.792, 115.074



46, 4.844, 92.422



55, 62.711, 78.764



14, 21.267, 81.769

Inverse Universe

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



72, 28.392, 278.602



76, 38.125, 280.075



67, 40.701, 300.174



44, 4.859, 274.849



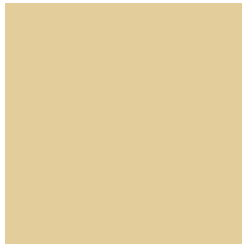
29, 77.502, 298.169



5, 24.923, 287.964

Previews

White Background



This preview shows how the CIELCh color 83, 28.231, 89.498 looks on a white background.

Color Contrast Check

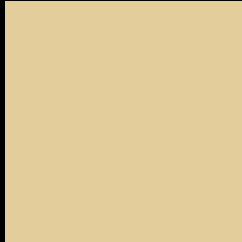
Large Text (above 18pt) WCAG AA × Fail

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, 28.231, 89.498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

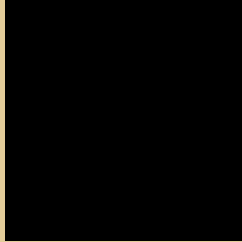
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 28.231, 89.498

Background



This preview shows how black text looks on a background with the CIELCh color 83, 28.231, 89.498.



This preview shows how white text looks on a background with the CIELCh color 83, 28.231, 89.498.

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, 28.231, 89.498

Protanopia

83, 27.895, 95.319

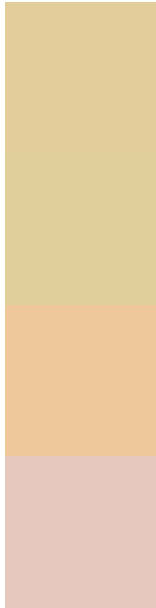
Deuteranopia

83, 29.683, 69.095



Tritanopia
83, 15.410, 349.813

Trichromacy



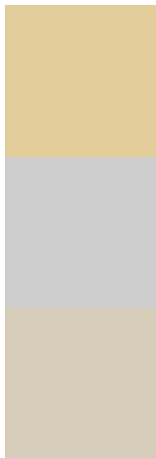
Original Color
83, 28.231, 89.498

Protanomaly
83, 27.716, 92.690

Deuteranomaly
83, 28.468, 75.299

Tritanomaly
83, 12.755, 41.893

Monochromacy



Original Color
83, 28.231, 89.498

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 10.440, 92.410

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 28.231, 89.498 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(227, 205, 154)` looks like.

```
.text, #text, p{  
    color:rgb(227, 205, 154)  
}
```

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(227, 205, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 205, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 28.231, 89.498 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(227, 205, 154) }
```

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

```
.border{ border-color:rgb(227, 205, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 205, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 205, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 205, 154); box-shadow:4px 4px 4px 4px rgb(227, 205, 154) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 28.231, 89.498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 205, 154) }
```

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

```
.background{ background-color: rgb(227,  
205, 154) }
```

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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