

Converting Colors

CIELCh(82, 28.781, 89.716)

Have a look what the booklet for
CIELCh(82, 28.781, 89.716) contains.

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Color

CIELCh(82, 28.808, 89.698)

Conversions

Conversions Part 1

Format	Color
Hex	E0CA96
RGB	224, 202, 150
RGB Percent	88%, 79%, 59%
CMY	0.1215, 0.2078, 0.4117
CMYK	0.00, 0.10, 0.33, 0.12
HSL	42°, 54%, 73%
HSV	42°, 33%, 88%
XYZ	57.3734, 60.2982, 37.4734
YIQ	202.6500, 29.8040, -11.5080

Conversions

Conversions Part 2

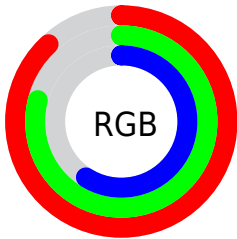
Format	Color
RYB	181, 224, 150
Decimal	14731926
CIELab	82.00, 0.15, 28.81
CIELCh	82, 28.808, 89.698
Yxy	60.2982, 0.3698, 0.3887
Android (android.graphics.Color)	4292922006 (0xFFE0CA96)
YUV	202.6500, -25.9565, 18.7239
Hunter-Lab	77.6519, -4.0053, 25.7441

Details

The CIELCh color **82, 28.808, 89.698** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **70, 29.026, 279.052**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 25.235, 108.263**, and **62, 28.631, 89.295** is the 20% darker color. If you saturate the color by 10%, you get **80, 37.727, 88.351**, and if you desaturate by 10%, it is **84, 19.942, 91.017**.

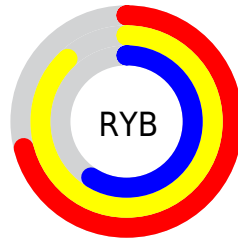
Distribution



Red (88%)

Green (79%)

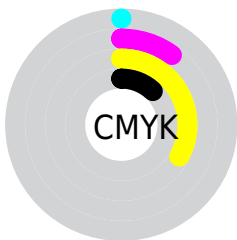
Blue (59%)



Red (71%)

Yellow (88%)

Blue (59%)

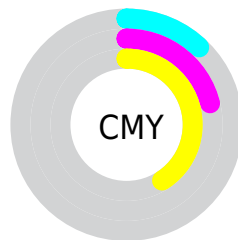


Cyan (0%)

Magenta (10%)

Yellow (33%)

Black (12%)



Cyan (12%)

Magenta (21%)

Yellow (41%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 28.808, 89.698 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 82, 28.808, 89.698 by changing the saturation by 10% instead.

 82, 28.808, 89.698

 82, 28.808, 89.698

 100, 28.808,
89.698

 72, 28.808, 89.698

 62, 28.808, 89.698

 52, 28.808, 89.698

 42, 28.808, 89.698

 32, 28.808, 89.698

 22, 28.808, 89.698

 12, 28.808, 89.698

 2, 28.808, 89.698

 0, 28.808, 89.698

82, 28.808, 89.698

82, 28.808, 89.698

80, 37.727, 88.351

84, 19.942, 91.017

78, 46.568, 86.958

86, 11.187, 92.285

76, 55.098, 85.512

88, 2.574, 93.448

74, 62.897, 83.978

91, 5.890, 274.766

72, 69.303, 82.278

93, 10.780,
270.238

71, 73.481, 80.279

95, 8.939, 247.892

70, 75.101, 78.693

96, 8.878, 220.623

98, 10.496,
198.806

Harmonies

Complementary

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



82, 28.808, 89.698



70, 29.026, 279.052

Rectangle

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



82, 28.808, 89.698



82, 28.808, 139.698



82, 28.808, 269.698



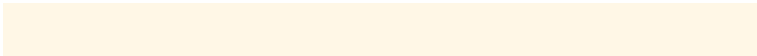
82, 28.808, 319.698

Sweetspot

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



82, 28.809, 89.703



98, 9.508, 92.648



70, 30.848, 359.729



52, 6.495, 92.475



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 28.809, 89.703



90, 38.908, 88.726



87, 38.460, 115.726



46, 4.864, 92.724



56, 62.753, 79.140



14, 21.330, 82.161

Inverse Universe

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



70, 29.026, 279.052



75, 39.350, 280.580



66, 41.470, 300.809



44, 4.881, 275.145



28, 77.963, 298.368



5, 25.028, 288.125

Previews

White Background



This preview shows how the CIELCh color 82, 28.808, 89.698 looks on a white background.

Color Contrast Check

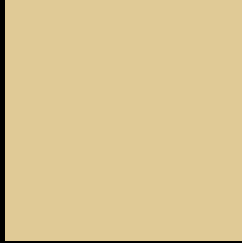
Large Text (above 18pt) WCAG AA × Fail

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 82, 28.808, 89.698 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 82, 28.808, 89.698

Background



This preview shows how black text looks on a background with the CIELCh color 82, 28.808, 89.698.



This preview shows how white text looks on a background with the CIELCh color 82, 28.808, 89.698.

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

82, 28.808, 89.698

Protanopia

82, 28.477, 95.432

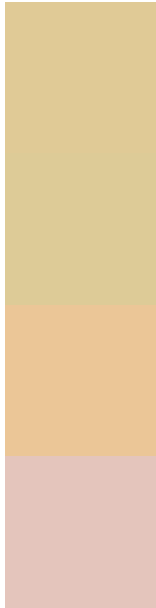
Deuteranopia

82, 30.344, 70.730



Tritanopia
82, 15.771, 350.568

Trichromacy



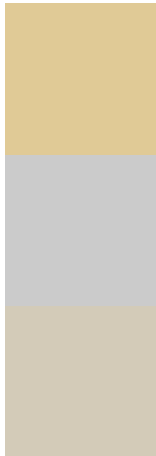
Original Color
82, 28.808, 89.698

Protanomaly
82, 28.295, 92.847

Deuteranomaly
82, 29.214, 76.876

Tritanomaly
82, 12.798, 41.890

Monochromacy



Original Color
82, 28.808, 89.698

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 10.469, 92.390

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 28.808, 89.698 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(224, 202, 150)` looks like.

```
.text, #text, p{  
    color:rgb(224, 202, 150)  
}
```

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(224, 202, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 202, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 28.808, 89.698 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(224, 202, 150) }
```

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

```
.border{ border-color:rgb(224, 202, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 202, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 202, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 202, 150);  
box-shadow:4px 4px 4px 4px rgb(224, 202,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 28.808, 89.698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 202, 150) }
```

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

```
.background{ background-color: rgb(224,  
202, 150) }
```

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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