

Converting Colors

CIELCh(82, 13.079, 85.956)

Have a look what the booklet for
CIELCh(82, 13.079, 85.956) contains.

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Color

CIELCh(82, 12.800, 84.269)

Conversions

Conversions Part 1

Format	Color
Hex	D8CAB4
RGB	216, 202, 180
RGB Percent	85%, 79%, 71%
CMY	0.1520, 0.2069, 0.2932
CMYK	0.00, 0.06, 0.17, 0.15
HSL	37°, 32%, 78%
HSV	37°, 17%, 85%
XYZ	57.8335, 60.2982, 51.8990
YIQ	203.6780, 15.4060, -3.8740

Conversions

Conversions Part 2

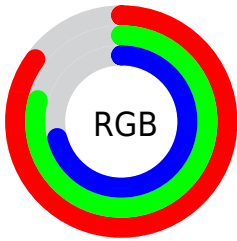
Format	Color
R_{YB}	203, 216, 180
Decimal	14207668
CIE _{Lab}	82.00, 1.28, 12.74
CIE _{LCh}	82, 12.800, 84.269
Yxy	60.2982, 0.3401, 0.3546
Android (android.graphics.Color)	4292397748 (0xFFD8CAB4)
YUV	203.6780, -11.6733, 10.8064
Hunter-Lab	77.6519, -2.9479, 14.7296

Details

The CIELCh color $82, 12.800, 84.269$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $78, 12.612, 268.809$, and the grayscale version is $82, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 9.618, 109.449$, and $62, 12.914, 84.326$ is the 20% darker color. If you saturate the color by 10%, you get $79, 20.789, 82.955$, and if you desaturate by 10%, it is $85, 5.035, 85.537$.

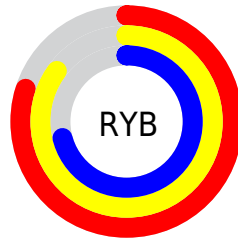
Distribution



Red (85%)

Green (79%)

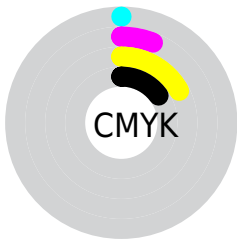
Blue (71%)



Red (80%)

Yellow (85%)

Blue (71%)

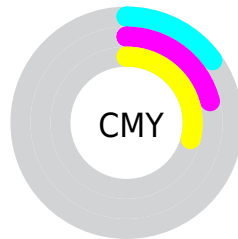


Cyan (0%)

Magenta (6%)

Yellow (17%)

Black (15%)



Cyan (15%)

Magenta (21%)

Yellow (29%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 12.800, 84.269 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, 12.800, 84.269 by changing the saturation by 10% instead.

 82, 12.800, 84.269

 82, 12.800, 84.269

 100, 12.800,
84.269

 72, 12.800, 84.269

 62, 12.800, 84.269

 52, 12.800, 84.269

 42, 12.800, 84.269

 32, 12.800, 84.269

 22, 12.800, 84.269

 12, 12.800, 84.269

 2, 12.800, 84.269

 0, 12.800, 84.269

82, 12.800, 84.269

82, 12.800, 84.269

79, 20.789, 82.955

85, 5.035, 85.537

77, 28.986, 81.588

87, 2.513, 266.964

74, 37.346, 80.181

90, 9.857, 268.077

72, 45.756, 78.724

92, 11.725,
256.829

70, 53.987, 77.184

95, 10.774,
229.780

67, 61.604, 75.489

65, 67.882, 73.489

97, 12.263,
204.233

63, 71.943, 70.953

97, 13.012,
198.637

63, 73.044, 70.058

Harmonies

Complementary

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



82, 12.800, 84.269



78, 12.612, 268.809

Rectangle

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



82, 12.800, 84.269



82, 12.800, 134.269



82, 12.800, 264.269



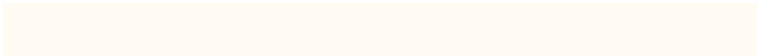
82, 12.800, 314.269

Sweetspot

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



82, 12.801, 84.280



98, 4.314, 85.722



77, 15.504, 350.966



52, 2.947, 85.642



0, 0.000, 0.000



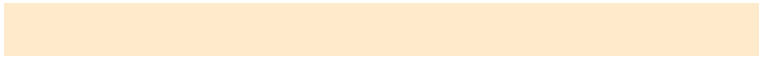
53, 0.007, 296.813

Same Dimension

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



82, 12.801, 84.280



94, 17.667, 83.817



85, 18.833, 112.752



44, 4.282, 85.202



50, 61.230, 70.640



11, 17.550, 72.457

Inverse Universe

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



78, 12.612, 268.809



89, 17.339, 269.389



75, 19.554, 295.627



42, 4.254, 267.728



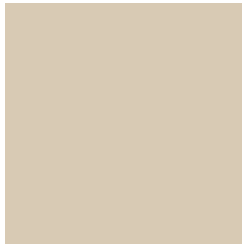
32, 65.628, 292.951



5, 19.920, 281.350

Previews

White Background



This preview shows how the CIELCh color 82, 12.800, 84.269 looks on a white background.

Color Contrast Check

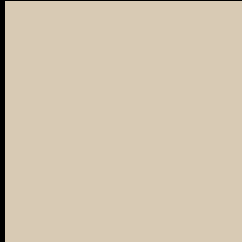
Large Text (above 18pt) WCAG AA × Fail

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, 12.800, 84.269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

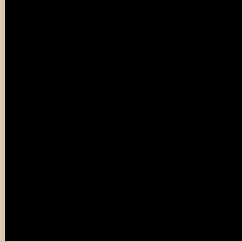
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 12.800, 84.269

Background



This preview shows how black text looks on a background with the CIELCh color 82, 12.800, 84.269.



This preview shows how white text looks on a background with the CIELCh color 82, 12.800, 84.269.

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, 12.800, 84.269

Protanopia

82, 12.216, 90.875

Deuteranopia

82, 16.073, 51.732



Tritanopia
82, 12.203, 336.406

Trichromacy



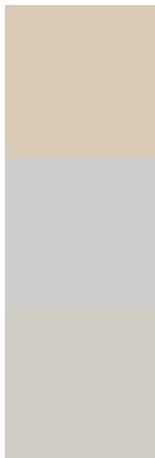
Original Color
82, 12.800, 84.269

Protanomaly
82, 12.342, 89.172

Deuteranomaly
82, 14.165, 61.845

Tritanomaly
82, 7.498, 11.837

Monochromacy



Original Color
82, 12.800, 84.269

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 4.599, 85.960

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 12.800, 84.269 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(216, 202, 180)` looks like.

```
.text, #text, p{  
    color:rgb(216, 202, 180)  
}
```

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(216, 202, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 202, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 12.800, 84.269 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(216, 202, 180) }
```

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

```
.border{ border-color:rgb(216, 202, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 202, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 202, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 202, 180);  
box-shadow:4px 4px 4px 4px rgb(216, 202,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 12.800, 84.269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 202, 180) }
```

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

```
.background{ background-color: rgb(216,  
202, 180) }
```

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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