

Converting Colors

CIELCh(82, 16.053, 101.376)

Have a look what the booklet for
CIELCh(82, 16.053, 101.376)
contains.

CIELCh(82, 16.431, 101.972)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(82, 16.431, 101.972)

Conversions

Conversions Part 1

Format	Color
Hex	D2CDAE
RGB	210, 205, 174
RGB Percent	82%, 80%, 68%
CMY	0.1772, 0.1968, 0.3183
CMYK	0.00, 0.02, 0.17, 0.18
HSL	52°, 28%, 75%
HSV	52°, 17%, 82%
XYZ	55.9355, 60.2982, 48.6434
YIQ	202.9610, 12.9310, -8.5810

Conversions

Conversions Part 2

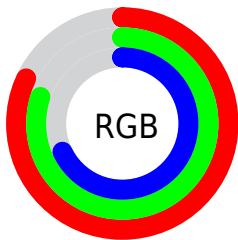
Format	Color
RYB	180, 210, 174
Decimal	13815214
CIELab	82.00, -3.41, 16.07
CIELCh	82, 16.431, 101.972
Yxy	60.2982, 0.3393, 0.3657
Android (android.graphics.Color)	4292005294 (0xFFD2CDAE)
YUV	202.9610, -14.2778, 6.1732
Hunter-Lab	77.6519, -7.3108, 17.2154

Details

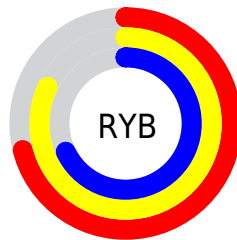
The CIELCh color $82, 16.431, 101.972$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $73, 16.872, 285.935$, and the grayscale version is $82, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 12.652, 109.221$, and $62, 16.222, 102.513$ is the 20% darker color. If you saturate the color by 10%, you get $81, 26.012, 100.862$, and if you desaturate by 10%, it is $83, 6.838, 103.064$.

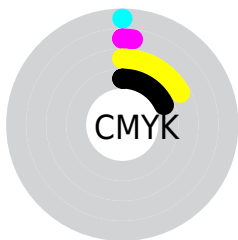
Distribution



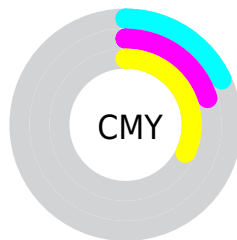
- Red (82%)
- Green (80%)
- Blue (68%)



- Red (71%)
- Yellow (82%)
- Blue (68%)



- Cyan (0%)
- Magenta (2%)
- Yellow (17%)
- Black (18%)





- Cyan (18%)
- Magenta (20%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 16.431, 101.972 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, 16.431, 101.972 by changing the saturation by 10% instead.


 82, 16.431,
101.972


 82, 16.431,
101.972


 100, 16.431,
101.972


 72, 16.431,
101.972


 62, 16.431,
101.972

 52, 16.431,
101.972

 42, 16.431,
101.972

 32, 16.431,
101.972

 22, 16.431,
101.972

 12, 16.431,

101.972

■ 2, 16.431, 101.972

■ 0, 16.431, 101.972

■ 82, 16.431,
101.972

■ 82, 16.431,
101.972

■ 81, 26.012,
100.862

■ 83, 6.838, 103.064

■ 80, 35.501, 99.730

■ 85, 2.726, 284.195

■ 79, 44.767, 98.596

■ 86, 12.235,
285.186

■ 78, 53.594, 97.472

■ 87, 20.248,
285.607

■ 77, 61.634, 96.371

■ 88, 18.808,
282.015

■ 76, 68.374, 95.298

■ 75, 73.181, 94.248

■ 89, 17.452,
277.868

■ 74, 75.606, 93.195

■ 89, 16.202,
273.076

■ 74, 76.083, 92.895

■ 90, 15.082,
267.554

■ 91, 14.121,
261.243

Harmonies

Complementary

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



82, 16.431, 101.972



73, 16.872, 285.935

Rectangle

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



82, 16.431, 101.972



82, 16.431, 151.972



82, 16.431, 281.972



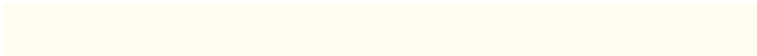
82, 16.431, 331.972

Sweetspot

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



82, 16.433, 101.979



99, 5.592, 103.282



74, 14.077, 8.747



53, 3.817, 103.209



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, 16.433, 101.979



97, 23.572, 101.526



82, 19.531, 122.756



44, 5.412, 102.824



60, 64.647, 93.066



14, 20.247, 96.400

Inverse Universe

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



73, 16.872, 285.935



85, 24.364, 286.516



73, 20.142, 304.646



41, 5.496, 284.932



22, 90.422, 304.014



3, 23.105, 289.746

Previews

White Background



This preview shows how the CIELCh color 82, 16.431, 101.972 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, 16.431, 101.972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

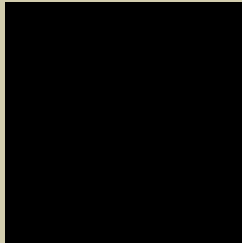
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

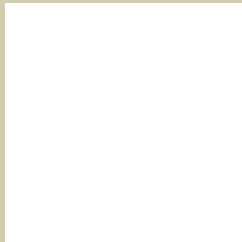
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 16.431, 101.972

Background



This preview shows how black text looks on a background with the CIELCh color 82, 16.431, 101.972.



This preview shows how white text looks on a background with the CIELCh color 82, 16.431, 101.972.

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](#).

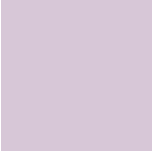
Dichromacy



Original Color
82, 16.431, 101.972

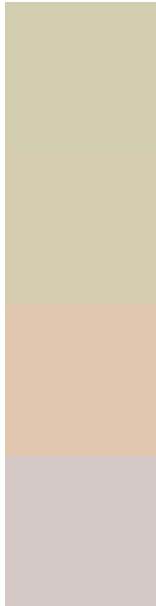
Protanopia
82, 16.384, 93.646

Deuteranopia
82, 18.376, 55.095



Tritanopia
82, 10.309, 324.823

Trichromacy



Original Color
82, 16.431, 101.972

Protanomaly
82, 16.620, 97.964

Deuteranomaly
82, 16.299, 70.520

Tritanomaly
82, 4.464, 26.404

Monochromacy



Original Color
82, 16.431, 101.972

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 6.342, 106.238

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 16.431, 101.972 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(210, 205, 174)` looks like.

```
.text, #text, p{  
    color:rgb(210, 205, 174)  
}
```

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(210, 205, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 205, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 16.431, 101.972 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(210, 205, 174) }
```

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

```
.border{ border-color:rgb(210, 205, 174) }
```

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

Here you see how a box with a 4 pixel rgb(210, 205, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 205, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 205, 174);  
box-shadow:4px 4px 4px 4px rgb(210, 205,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 16.431, 101.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 205, 174) }
```

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

```
.background{ background-color: rgb(210,  
205, 174) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor