

Converting Colors

CIELCh(82, 13.375, 113.104)

Have a look what the booklet for
CIELCh(82, 13.375, 113.104)
contains.

CIELCh(82, 13.197, 112.306)	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, 13.197, 112.306)

Conversions

Conversions Part 1

Format	Color
Hex	CCCEB5
RGB	204, 206, 181
RGB Percent	80%, 81%, 71%
CMY	0.2001, 0.1922, 0.2903
CMYK	0.01, 0.00, 0.12, 0.19
HSL	65°, 20%, 76%
HSV	65°, 12%, 81%
XYZ	55.2969, 60.2982, 52.4256
YIQ	202.5520, 6.8330, -8.1990

Conversions

Conversions Part 2

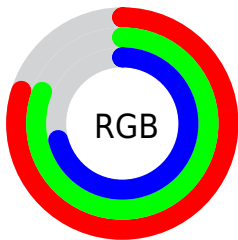
Format	Color
RYB	181, 206, 183
Decimal	13422261
CIELab	82.00, -5.01, 12.21
CIELCh	82, 13.197, 112.306
Yxy	60.2982, 0.3291, 0.3589
Android (android.graphics.Color)	4291612341 (0xFFCCCEB5)
YUV	202.5520, -10.6251, 1.2699
Hunter-Lab	77.6519, -8.7787, 14.3276

Details

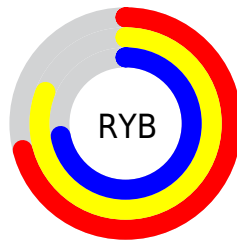
The CIELCh color **82, 13.197, 112.306** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75, 13.568, 294.436**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 9.112, 109.487**, and **62, 13.394, 112.165** is the 20% darker color. If you saturate the color by 10%, you get **81, 23.990, 111.465**, and if you desaturate by 10%, it is **83, 2.322, 113.138**.

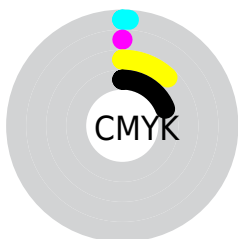
Distribution



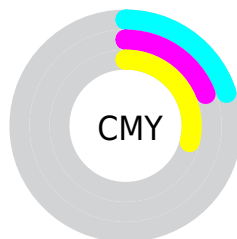
- Red (80%)
- Green (81%)
- Blue (71%)



- Red (71%)
- Yellow (81%)
- Blue (72%)



- Cyan (1%)
- Magenta (0%)
- Yellow (12%)
- Black (19%)





- Cyan (20%)
- Magenta (19%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 13.197, 112.306 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, 13.197, 112.306 by changing the saturation by 10% instead.


 82, 13.197,
112.306


 82, 13.197,
112.306


 100, 13.197,
112.306


 72, 13.197,
112.306


 62, 13.197,
112.306

 52, 13.197,
112.306

 42, 13.197,
112.306

 32, 13.197,
112.306

 22, 13.197,
112.306

 12, 13.197,

112.306

■ 2, 13.197, 112.306

■ 0, 13.197, 112.306

■ 82, 13.197,
112.306

■ 82, 13.197,
112.306

■ 81, 23.990,
111.465

■ 83, 2.322, 113.138

■ 81, 34.608,
110.624

■ 83, 8.583, 293.974

■ 81, 44.920,
109.812

■ 84, 19.476,
294.759

■ 80, 54.721,
109.059

■ 85, 25.943,
295.698

■ 80, 63.706,

■ 85, 25.986,
296.899

108.409

85, 26.040,
298.101

80, 71.447,
107.916

85, 26.104,
299.302

79, 77.435,
107.641

85, 26.180,
300.501

79, 81.237,
107.640

85, 26.267,
301.697

79, 82.899,
107.806

Harmonies

Complementary

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



82, 13.197, 112.306



75, 13.568, 294.436

Rectangle

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



82, 13.197, 112.306



82, 13.197, 162.306



82, 13.197, 292.306



82, 13.197, 342.306

Sweetspot

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



82, 13.199, 112.312



100, 5.173, 112.987



76, 8.938, 25.787



53, 3.677, 112.924



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, 13.199, 112.312



99, 19.380, 112.055



81, 14.282, 130.852



43, 6.122, 112.544



65, 70.523, 107.731



14, 21.990, 110.074

Inverse Universe

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



75, 13.568, 294.436



88, 20.057, 294.747



76, 14.489, 311.873



39, 6.257, 294.168



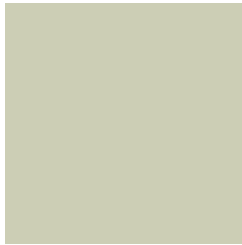
19, 96.495, 306.563



1, 23.586, 294.517

Previews

White Background



This preview shows how the CIELCh color 82, 13.197, 112.306 looks on a white background.

Color Contrast Check

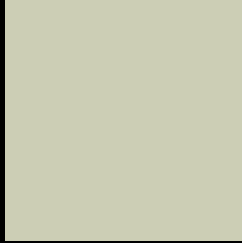
Large Text (above 18pt) WCAG AA × Fail

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, 13.197, 112.306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

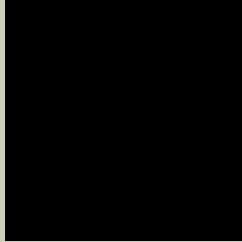
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

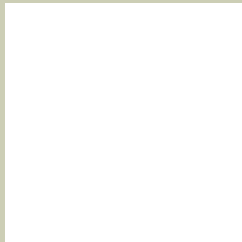
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 13.197, 112.306

Background



This preview shows how black text looks on a background with the CIELCh color 82, 13.197, 112.306.



This preview shows how white text looks on a background with the CIELCh color 82, 13.197, 112.306.

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, 13.197, 112.306

Protanopia

82, 12.720, 91.544

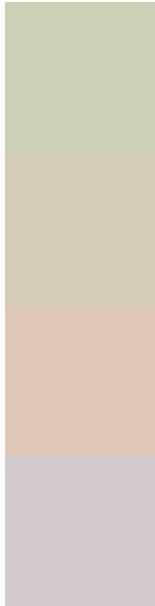
Deuteranopia

82, 15.232, 46.915



Tritanopia
82, 8.996, 309.381

Trichromacy



Original Color
82, 13.197, 112.306

Protanomaly
82, 12.854, 98.763

Deuteranomaly
82, 12.495, 69.048

Tritanomaly
82, 1.563, 359.370

Monochromacy



Original Color
82, 13.197, 112.306

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 4.769, 114.192

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 13.197, 112.306 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(204, 206, 181)` looks like.

```
.text, #text, p{  
    color:rgb(204, 206, 181)  
}
```

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(204, 206, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 206, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 13.197, 112.306 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(204, 206, 181) }
```

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

```
.border{ border-color:rgb(204, 206, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 206, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 206, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 206, 181);  
box-shadow:4px 4px 4px 4px rgb(204, 206,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 13.197, 112.306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 206, 181) }
```

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

```
.background{ background-color: rgb(204,  
206, 181) }
```

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