

Converting Colors

CIELCh(82, 16.875, 112.595)

Have a look what the booklet for
CIELCh(82, 16.875, 112.595)
contains.

CIELCh(82, 16.875, 112.595)	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, 16.875, 112.595)

Conversions

Conversions Part 1

Format	Color
Hex	CCCFAF
RGB	204, 207, 175
RGB Percent	80%, 81%, 69%
CMY	0.2015, 0.1898, 0.3152
CMYK	0.01, 0.00, 0.15, 0.19
HSL	66°, 25%, 75%
HSV	66°, 15%, 81%
XYZ	54.7129, 60.2982, 49.1163
YIQ	202.4550, 8.4840, -10.5880

Conversions

Conversions Part 2

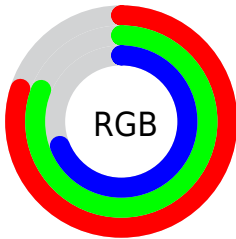
Format	Color
RYB	175, 207, 178
Decimal	13422511
CIELab	82.00, -6.48, 15.58
CIELCh	82, 16.875, 112.595
Yxy	60.2982, 0.3334, 0.3674
Android (android.graphics.Color)	4291612591 (0xFFCCCCFAF)
YUV	202.4550, -13.5353, 1.3550
Hunter-Lab	77.6519, -10.1212, 16.8543

Details

The CIELCh color $82, 16.875, 112.595$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $73, 17.476, 295.281$, and the grayscale version is $81, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 12.147, 109.259$, and $62, 17.266, 112.361$ is the 20% darker color. If you saturate the color by 10%, you get $81, 27.657, 111.772$, and if you desaturate by 10%, it is $83, 5.986, 113.420$.

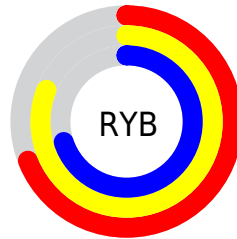
Distribution



Red (80%)

Green (81%)

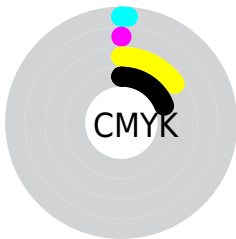
Blue (69%)



Red (69%)

Yellow (81%)

Blue (70%)

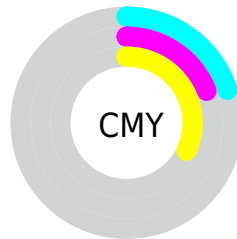


Cyan (1%)

Magenta (0%)

Yellow (15%)

Black (19%)



Cyan (20%)


Magenta (19%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 16.875, 112.595 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, 16.875, 112.595 by changing the saturation by 10% instead.


 82, 16.875,
112.595


 82, 16.875,
112.595


 100, 16.875,
112.595


 72, 16.875,
112.595


 62, 16.875,
112.595

 52, 16.875,
112.595

 42, 16.875,
112.595

 32, 16.875,
112.595

 22, 16.875,
112.595

 12, 16.875,

112.595

■ 2, 16.875, 112.595

■ 0, 16.875, 112.595

■ 82, 16.875,
112.595

■ 82, 16.875,
112.595

■ 81, 27.657,
111.772

■ 83, 5.986, 113.420

■ 81, 38.226,
110.957

■ 83, 4.950, 294.236

■ 81, 48.429,
110.181

■ 84, 15.885,
295.010

■ 80, 58.031,
109.479

■ 85, 25.598,
295.831

■ 80, 66.687,

■ 85, 25.652,
297.264

108.899

85, 25.721,
298.697

80, 73.932,
108.504

85, 25.805,
300.127

79, 79.255,
108.358

85, 25.905,
301.554

79, 82.315,
108.510

86, 26.020,
302.975

79, 83.227,
108.640

Harmonies

Complementary

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



82, 16.875, 112.595



73, 17.476, 295.281

Rectangle

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



82, 16.875, 112.595



82, 16.875, 162.595



82, 16.875, 292.595



82, 16.875, 342.595

Sweetspot

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



82, 16.877, 112.600



100, 6.472, 113.454



75, 11.417, 27.479



53, 4.416, 113.397



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, 16.877, 112.600



99, 24.533, 112.290



81, 18.355, 131.262



44, 6.252, 113.100



66, 71.437, 108.559



15, 23.589, 110.300

Inverse Universe

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



73, 17.476, 295.281



85, 25.628, 295.676



74, 18.674, 312.583



40, 6.390, 294.688



20, 97.505, 306.617



2, 25.636, 295.597

Previews

White Background



This preview shows how the CIELCh color 82, 16.875, 112.595 looks on a white background.

Color Contrast Check

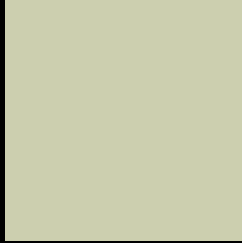
Large Text (above 18pt) WCAG AA × Fail

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, 16.875, 112.595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

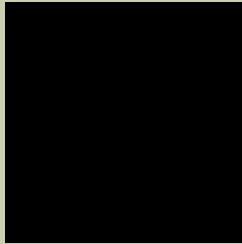
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

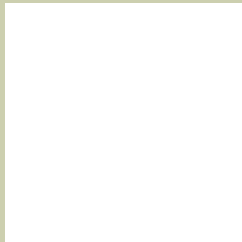
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 16.875, 112.595

Background



This preview shows how black text looks on a background with the CIELCh color 82, 16.875, 112.595.



This preview shows how white text looks on a background with the CIELCh color 82, 16.875, 112.595.

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, 16.875, 112.595

Protanopia
82, 16.384, 93.646

Deuteranopia
82, 17.715, 54.518



Tritanopia
82, 8.996, 309.381

Trichromacy



Original Color
82, 16.875, 112.595

Protanomaly
82, 15.974, 100.419

Deuteranomaly
82, 15.329, 75.108

Tritanomaly
82, 1.550, 39.069

Monochromacy



Original Color
82, 16.875, 112.595

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 6.350, 112.964

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 16.875, 112.595 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, 207, 175)` looks like.

```
.text, #text, p{  
    color:rgb(204, 207, 175)  
}
```

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, 207, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 207, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 16.875, 112.595 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, 207, 175) }
```

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

```
.border{ border-color:rgb(204, 207, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 207, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 207, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 207, 175);  
box-shadow:4px 4px 4px 4px rgb(204, 207,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 16.875, 112.595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 207, 175) }
```

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

```
.background{ background-color: rgb(204,  
207, 175) }
```

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