

Converting Colors

CIELCh(85, 12.895, 117.978)

Have a look what the booklet for
CIELCh(85, 12.895, 117.978)
contains.

CIELCh(85, 12.703, 117.571)	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(85, 12.703, 117.571)

Conversions

Conversions Part 1

Format	Color
Hex	D2D7BF
RGB	210, 215, 191
RGB Percent	82%, 84%, 75%
CMY	0.1768, 0.1572, 0.2513
CMYK	0.02, 0.00, 0.11, 0.16
HSL	73°, 23%, 80%
HSV	73°, 11%, 84%
XYZ	60.2300, 66.0070, 58.8103
YIQ	210.7690, 4.7240, -8.5240

Conversions

Conversions Part 2

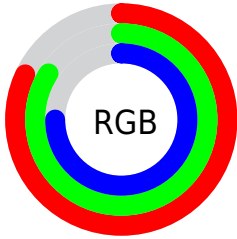
Format	Color
R_{YB}	191, 215, 196
Decimal	13817791
CIE Lab	85.00, -5.88, 11.26
CIE LCh	85, 12.703, 117.571
Yxy	66.0070, 0.3255, 0.3567
Android (android.graphics.Color)	4292007871 (0xFFD2D7BF)
YUV	210.7690, -9.7461, -0.6744
Hunter-Lab	81.2447, -9.8490, 13.9533

Details

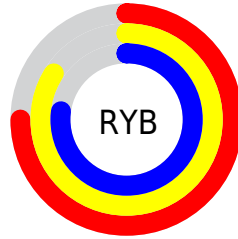
The CIELCh color **85, 12.703, 117.571** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **78, 13.011, 299.113**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 4.046, 109.857**, and **65, 12.326, 118.171** is the 20% darker color. If you saturate the color by 10%, you get **84, 24.020, 116.895**, and if you desaturate by 10%, it is **86, 1.321, 118.255**.

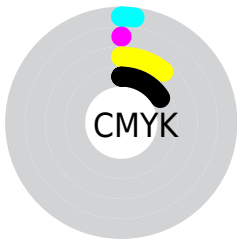
Distribution



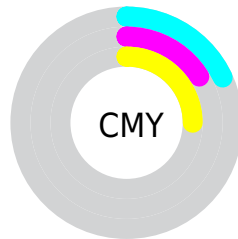
- Red (82%)
- Green (84%)
- Blue (75%)



- Red (75%)
- Yellow (84%)
- Blue (77%)



- Cyan (2%)
- Magenta (0%)
- Yellow (11%)
- Black (16%)





- Cyan (18%)
- Magenta (16%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 12.703, 117.571 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 85, 12.703, 117.571 by changing the saturation by 10% instead.


 85, 12.703,
117.571


 85, 12.703,
117.571


 100, 12.703,
117.571


 75, 12.703,
117.571


 65, 12.703,
117.571

 55, 12.703,
117.571

 45, 12.703,
117.571

 35, 12.703,
117.571

 25, 12.703,
117.571

 15, 12.703,

117.571

■ 5, 12.703, 117.571

■ 0, 12.703, 117.571

■ 85, 12.703,
117.571

■ 85, 12.703,
117.571

■ 84, 24.020,
116.895

■ 86, 1.321, 118.255

■ 84, 35.176,
116.216

■ 87, 10.073,
298.886

■ 83, 46.040,
115.565

■ 88, 21.226,
299.563

■ 82, 56.412,
114.979

■ 88, 21.490,
303.584

■ 82, 65.989,

■ 88, 21.855,
307.524

114.513

89, 22.318,
311.353

81, 74.351,
114.240

89, 22.875,
315.043

81, 80.976,
114.253

90, 23.521,
318.574

81, 85.403,
114.643

90, 24.250,
321.933

80, 87.636,
115.282

Harmonies

Complementary

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



85, 12.703, 117.571



78, 13.011, 299.113

Rectangle

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



85, 12.703, 117.571



85, 12.703, 167.571



85, 12.703, 297.571



85, 12.703, 347.571

Sweetspot

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



85, 12.705, 117.577



100, 3.916, 118.125



80, 7.663, 39.202



53, 2.970, 118.071



0, 0.000, 0.000



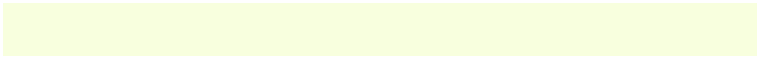
53, 0.007, 296.813

Same Dimension

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



85, 12.705, 117.577



99, 16.986, 117.444



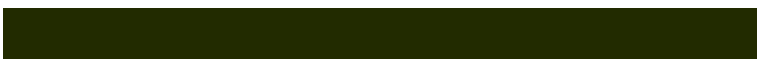
84, 14.098, 135.262



45, 6.440, 117.695



65, 73.799, 115.104



16, 25.546, 116.039

Inverse Universe

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



78, 13.011, 299.113



90, 17.464, 299.266



79, 14.227, 316.188



41, 6.573, 298.980



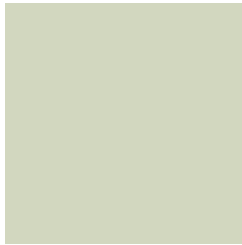
21, 97.470, 307.372



2, 27.862, 299.214

Previews

White Background



This preview shows how the CIELCh color 85, 12.703, 117.571 looks on a white background.

Color Contrast Check

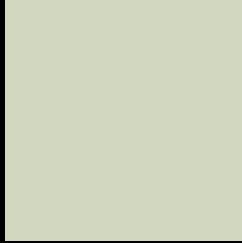
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 85, 12.703, 117.571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

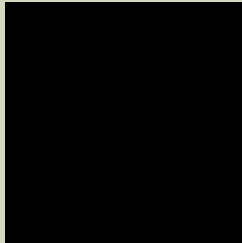
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

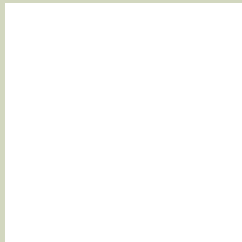
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 12.703, 117.571

Background



This preview shows how black text looks on a background with the CIELCh color 85, 12.703, 117.571.

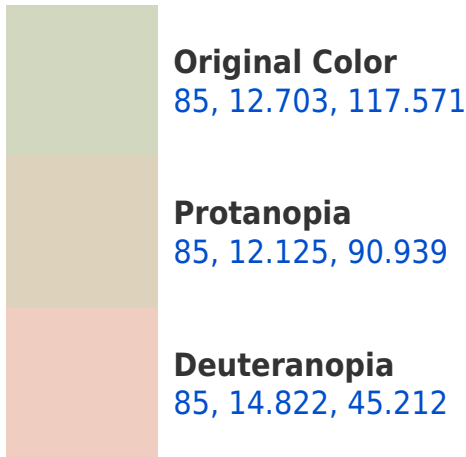



This preview shows how white text looks on a background with the CIELCh color 85, 12.703, 117.571.

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](#).

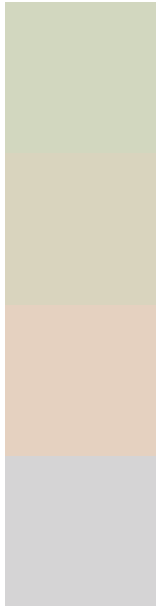
Dichromacy





Tritanopia
85, 8.636, 302.670

Trichromacy



Original Color
85, 12.703, 117.571

Protanomaly
85, 11.666, 99.866

Deuteranomaly
85, 11.718, 68.985

Tritanomaly
85, 0.650, 324.052

Monochromacy



Original Color
85, 12.703, 117.571

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 4.211, 114.792

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 12.703, 117.571 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, 215, 191)` looks like.

```
.text, #text, p{  
    color:rgb(210, 215, 191)  
}
```

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, 215, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 215, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 12.703, 117.571 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, 215, 191) }
```

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

```
.border{ border-color:rgb(210, 215, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 215, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 215, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 215, 191);  
box-shadow:4px 4px 4px 4px rgb(210, 215,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 12.703, 117.571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 215, 191) }
```

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

```
.background{ background-color: rgb(210,  
215, 191) }
```

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