

Converting Colors

CIELCh(85, 42.581, 119.025)

Have a look what the booklet for
CIELCh(85, 42.581, 119.025)
contains.

CIELCh(85, 42.581, 119.025)	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, 42.581, 119.025)

Conversions

Conversions Part 1

Format	Color
Hex	C7DE8D
RGB	199, 222, 141
RGB Percent	78%, 87%, 55%
CMY	0.2213, 0.1311, 0.4486
CMYK	0.10, 0.00, 0.37, 0.13
HSL	77°, 55%, 71%
HSV	77°, 37%, 87%
XYZ	54.2229, 66.0070, 34.9241
YIQ	205.8890, 12.2930, -30.0670

Conversions

Conversions Part 2

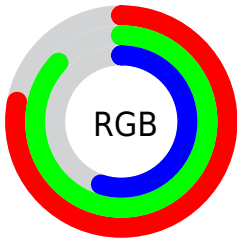
Format	Color
RYB	141, 222, 164
Decimal	13098637
CIELab	85.00, -20.66, 37.23
CIELCh	85, 42.581, 119.025
Yxy	66.0070, 0.3495, 0.4254
Android (android.graphics.Color)	4291288717 (0xFFC7DE8D)
YUV	205.8890, -31.9903, -6.0417
Hunter-Lab	81.2447, -23.0468, 31.3847

Details

The CIELCh color **85, 42.581, 119.025** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **63, 46.013, 303.883**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 30.226, 107.879**, and **65, 42.891, 118.971** is the 20% darker color. If you saturate the color by 10%, you get **84, 53.639, 118.482**, and if you desaturate by 10%, it is **86, 31.138, 119.619**.

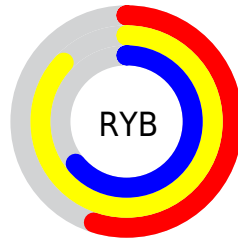
Distribution



Red (78%)

Green (87%)

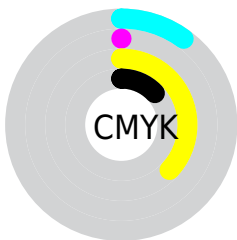
Blue (55%)



Red (55%)

Yellow (87%)

Blue (64%)

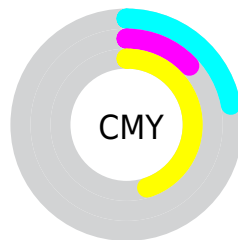


Cyan (10%)

Magenta (0%)

Yellow (37%)

Black (13%)



Cyan (22%)

Magenta (13%)

Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 42.581, 119.025 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, 42.581, 119.025 by changing the saturation by 10% instead.


 85, 42.581,
119.025


 85, 42.581,
119.025


 100, 42.581,
119.025


 75, 42.581,
119.025

 65, 42.581,
119.025

 55, 42.581,
119.025

 45, 42.581,
119.025

 35, 42.581,
119.025

 25, 42.581,
119.025

 15, 42.581,

119.025

■ 5, 42.581, 119.025

■ 0, 42.581, 119.025

■ 85, 42.581,
119.025

■ 85, 42.581,
119.025

■ 84, 53.639,
118.482

■ 86, 31.138,
119.619

■ 84, 64.049,
118.034

■ 87, 19.475,
120.225

■ 83, 73.442,
117.755

■ 88, 7.709, 120.827

■ 82, 81.324,
117.743

■ 89, 4.082, 301.386

■ 90, 15.842,
301.943

■ 82, 87.166,

118.108

90, 18.181,
307.643

82, 90.672,
118.928

91, 18.901,
314.020

81, 91.573,
119.265

91, 19.836,
319.935

92, 20.921,
325.152

Harmonies

Complementary

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



85, 42.581, 119.025



63, 46.013, 303.883

Rectangle

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



85, 42.581, 119.025



85, 42.581, 169.025



85, 42.581, 299.025



85, 42.581, 349.025

Sweetspot

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



85, 42.583, 119.027



99, 14.520, 120.555



72, 27.464, 47.734



53, 9.756, 120.473



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, 42.583, 119.027



96, 56.991, 118.596



82, 48.494, 136.341



46, 6.631, 120.654



65, 76.154, 119.034



17, 27.496, 119.362

Inverse Universe

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



63, 46.013, 303.883



66, 62.845, 304.605



67, 49.365, 319.906



42, 6.759, 301.775



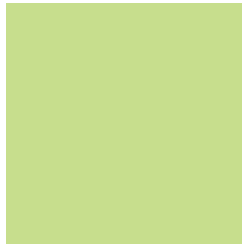
23, 97.458, 308.166



3, 30.135, 301.959

Previews

White Background



This preview shows how the CIELCh color 85, 42.581, 119.025 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, 42.581, 119.025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

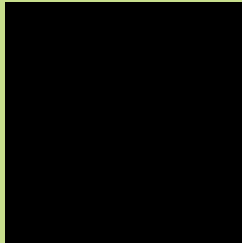
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 42.581, 119.025

Background



This preview shows how black text looks on a background with the CIELCh color 85, 42.581, 119.025.



This preview shows how white text looks on a background with the CIELCh color 85, 42.581, 119.025.

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
85, 42.581, 119.025

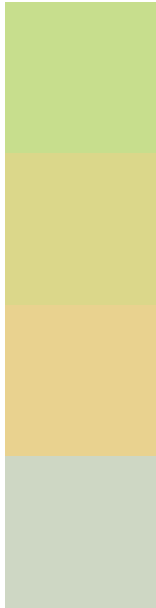
Protanopia
85, 39.550, 96.014

Deuteranopia
85, 37.097, 73.721



Tritanopia
85, 8.952, 288.709

Trichromacy



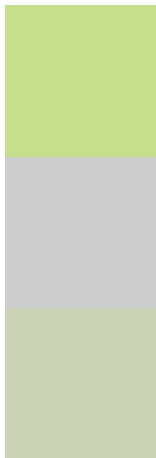
Original Color
85, 42.581, 119.025

Protanomaly
85, 39.748, 104.383

Deuteranomaly
85, 36.150, 92.042

Tritanomaly
85, 10.521, 127.756

Monochromacy



Original Color
85, 42.581, 119.025

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 15.535, 120.076

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 42.581, 119.025 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(199, 222, 141)` looks like.

```
.text, #text, p{  
    color:rgb(199, 222, 141)  
}
```

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(199, 222, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 222, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 42.581, 119.025 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(199, 222, 141) }
```

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

```
.border{ border-color:rgb(199, 222, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 222, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 222, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 222, 141);  
box-shadow:4px 4px 4px 4px rgb(199, 222,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 42.581, 119.025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 222, 141) }
```

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

```
.background{ background-color: rgb(199,  
222, 141) }
```

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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