

Converting Colors

CIELCh(85, 46.120, 121.381)

Have a look what the booklet for
CIELCh(85, 46.120, 121.381)
contains.

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Color

CIELCh(85, 46.122, 121.357)

Conversions

Conversions Part 1

Format	Color
Hex	C1DF88
RGB	193, 223, 136
RGB Percent	76%, 87%, 53%
CMY	0.2425, 0.1248, 0.4660
CMYK	0.13, 0.00, 0.39, 0.12
HSL	81°, 58%, 70%
HSV	81°, 39%, 88%
XYZ	52.9231, 66.0070, 33.3027
YIQ	204.1120, 10.0470, -33.4170

Conversions

Conversions Part 2

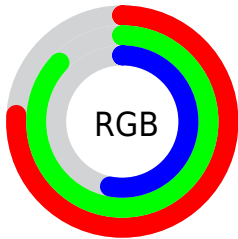
Format	Color
RYB	136, 223, 166
Decimal	12705672
CIELab	85.00, -24.00, 39.39
CIELCh	85, 46.122, 121.357
Yxy	66.0070, 0.3476, 0.4336
Android (android.graphics.Color)	4290895752 (0xFFC1DF88)
YUV	204.1120, -33.5792, -9.7452
Hunter-Lab	81.2447, -25.9027, 32.5679

Details

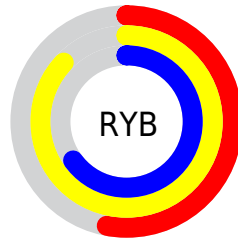
The CIELCh color **85, 46.122, 121.357** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **63, 49.801, 306.041**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 32.778, 111.016**, and **65, 46.050, 121.570** is the 20% darker color. If you saturate the color by 10%, you get **84, 57.278, 120.878**, and if you desaturate by 10%, it is **86, 34.535, 121.896**.

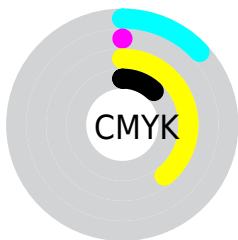
Distribution



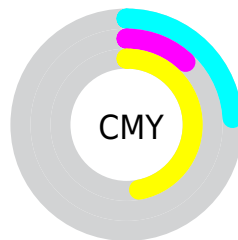
- Red (76%)
- Green (87%)
- Blue (53%)



- Red (53%)
- Yellow (87%)
- Blue (65%)



- Cyan (13%)
- Magenta (0%)
- Yellow (39%)
- Black (12%)



- Cyan (24%)
- Magenta (12%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 46.122, 121.357 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, 46.122, 121.357 by changing the saturation by 10% instead.


 85, 46.122,
121.357


 85, 46.122,
121.357


 100, 46.122,
121.357


 75, 46.122,
121.357

 65, 46.122,
121.357

 55, 46.122,
121.357

 45, 46.122,
121.357

 35, 46.122,
121.357

 25, 46.122,
121.357

 15, 46.122,

121.357

■ 5, 46.122, 121.357

■ 0, 46.122, 121.357

■ 85, 46.122,
121.357

■ 85, 46.122,
121.357

■ 84, 57.278,
120.878

■ 86, 34.535,
121.896

■ 83, 67.713,
120.510

■ 87, 22.702,
122.452

■ 83, 77.028,
120.340

■ 88, 10.754,
123.005

■ 82, 84.705,
120.477

■ 89, 1.220, 303.470

■ 82, 90.240,

■ 90, 13.160,
304.023

121.040

91, 17.512,
309.909

81, 93.565,
122.056

92, 18.530,
317.818

81, 93.855,
122.164

92, 19.862,
324.889

92, 19.913,
325.117

Harmonies

Complementary

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



85, 46.122, 121.357



63, 49.801, 306.041

Rectangle

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



85, 46.122, 121.357



85, 46.122, 171.357



85, 46.122, 301.357



85, 46.122, 351.357

Sweetspot

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



85, 46.124, 121.359



99, 15.997, 122.835



73, 29.353, 52.898



52, 10.610, 122.762



0, 0.000, 0.000



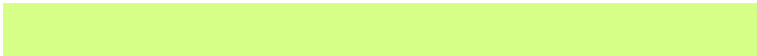
53, 0.007, 296.813

Same Dimension

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



85, 46.124, 121.359



95, 61.369, 120.951



82, 52.772, 137.520



47, 6.824, 122.980



66, 78.444, 121.919



18, 29.418, 121.768

Inverse Universe

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



63, 49.801, 306.041



65, 67.608, 306.714



67, 53.471, 321.546



43, 6.946, 303.991



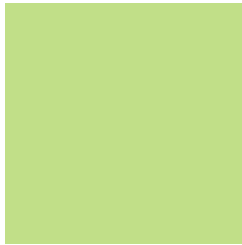
24, 97.479, 308.992



3, 32.512, 304.690

Previews

White Background



This preview shows how the CIELCh color 85, 46.122, 121.357 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, 46.122, 121.357 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

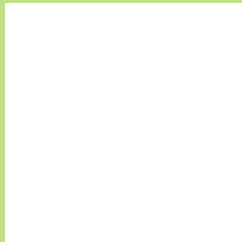
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 46.122, 121.357

Background



This preview shows how black text looks on a background with the CIELCh color 85, 46.122, 121.357.



This preview shows how white text looks on a background with the CIELCh color 85, 46.122, 121.357.

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, 46.122, 121.357

Protanopia
85, 42.095, 95.819

Deuteranopia
85, 39.128, 74.604



Tritanopia
85, 9.146, 277.785

Trichromacy



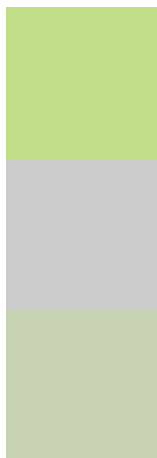
Original Color
85, 46.122, 121.357

Protanomaly
85, 42.167, 105.970

Deuteranomaly
85, 38.014, 93.192

Tritanomaly
85, 12.365, 135.778

Monochromacy



Original Color
85, 46.122, 121.357

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 17.331, 122.626

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 46.122, 121.357 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(193, 223, 136)` looks like.

```
.text, #text, p{  
    color:rgb(193, 223, 136)  
}
```

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(193, 223, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 223, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 46.122, 121.357 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(193, 223, 136) }
```

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

```
.border{ border-color:rgb(193, 223, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 223, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 223, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 223, 136);  
box-shadow:4px 4px 4px 4px rgb(193, 223,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 46.122, 121.357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 223, 136) }
```

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

```
.background{ background-color: rgb(193,  
223, 136) }
```

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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