

Converting Colors

CIELCh(85, 49.482, 133.893)

Have a look what the booklet for
CIELCh(85, 49.482, 133.893)
contains.

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Color

CIELCh(85, 49.245, 133.710)

Conversions

Conversions Part 1	
Format	Color
Hex	A9E48F
RGB	169, 228, 143
RGB Percent	66%, 89%, 56%
CMY	0.3367, 0.1053, 0.4387
CMYK	0.26, 0.00, 0.37, 0.11
HSL	102°, 61%, 73%
HSV	102°, 37%, 89%
XYZ	49.1460, 66.0070, 36.1916
YIQ	200.6690, -7.8790, -38.9430

Conversions

Conversions Part 2

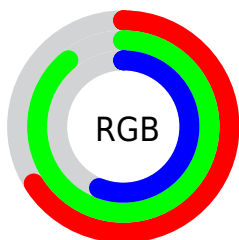
Format	Color
RYB	143, 228, 202
Decimal	11134095
CIELab	85.00, -34.03, 35.60
CIELCh	85, 49.245, 133.710
Yxy	66.0070, 0.3247, 0.4361
Android (android.graphics.Color)	4289324175 (0xFFA9E48F)
YUV	200.6690, -28.4308, -27.7737
Hunter-Lab	81.2447, -34.2012, 30.4597

Details

The CIELCh color **85, 49.245, 133.710** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **68, 50.672, 317.147**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 30.840, 128.347**, and **65, 49.248, 133.493** is the 20% darker color. If you saturate the color by 10%, you get **84, 61.940, 133.156**, and if you desaturate by 10%, it is **86, 36.152, 134.261**.

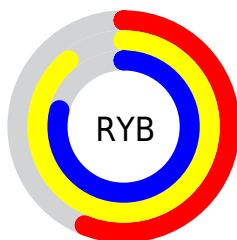
Distribution



Red (66%)

Green (89%)

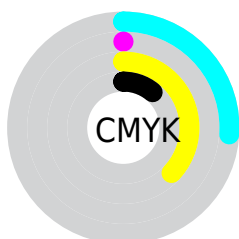
Blue (56%)



Red (56%)

Yellow (89%)

Blue (79%)

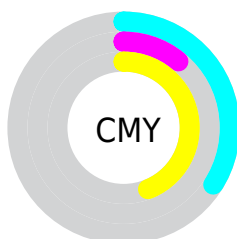


Cyan (26%)

Magenta (0%)

Yellow (37%)

Black (11%)



Cyan (34%)

Magenta (11%)


Yellow (44%)


Brightness & Saturation


Gradients


These gradients show how the CIELCh color 85, 49.245, 133.710 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, 49.245, 133.710 by changing the saturation by 10% instead.


 85, 49.245,
133.710


 85, 49.245,
133.710


 100, 49.245,
133.710


 75, 49.245,
133.710

 65, 49.245,
133.710

 55, 49.245,
133.710

 45, 49.245,
133.710

 35, 49.245,
133.710


 25, 49.245,
133.710


 15, 49.245,


133.710


 5, 49.245, 133.710


 0, 49.245, 133.710

 85, 49.245,
133.710

 85, 49.245,
133.710

 84, 61.940,
133.156


 86, 36.152,
134.261

 83, 73.921,
132.645


 88, 22.879,
134.779

 82, 84.766,
132.260

 89, 9.587, 135.259


 81, 93.932,
132.118


 91, 3.610, 315.602


 93, 15.608,
317.777

 81, 100.853,

132.350

 93, 16.780,
325.006

 80, 105.227,
133.019

 80, 106.159,
133.215

Harmonies

Complementary

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



85, 49.245, 133.710



68, 50.672, 317.147

Rectangle

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



85, 49.245, 133.710



85, 49.245, 183.710



85, 49.245, 313.710



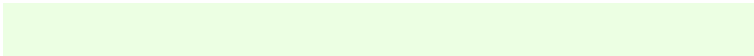
85, 49.245, 3.710

Sweetspot

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



85, 49.247, 133.711



98, 15.925, 135.080



82, 32.540, 87.605



52, 10.706, 135.015



0, 0.000, 0.000



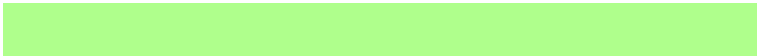
53, 0.007, 296.813

Same Dimension

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



85, 49.247, 133.711



93, 64.683, 133.264



84, 47.638, 146.955



47, 7.544, 135.156



64, 88.134, 133.009



18, 34.180, 133.214

Inverse Universe

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



68, 50.672, 317.147



70, 66.932, 317.468



70, 47.757, 332.342



45, 7.606, 315.927



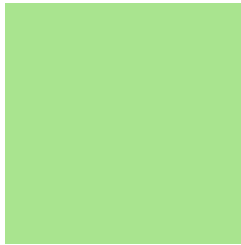
33, 91.715, 317.202



5, 36.714, 317.917

Previews

White Background



This preview shows how the CIE LCh color 85, 49.245, 133.710 looks on a white background.

Color Contrast Check

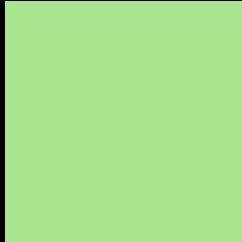
Large Text (above 18pt) WCAG AA × Fail

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 85, 49.245, 133.710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

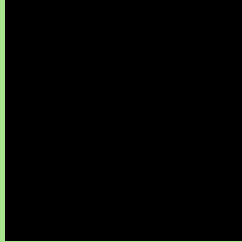
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 49.245, 133.710

Background



This preview shows how black text looks on a background with the CIELCh color 85, 49.245, 133.710.



This preview shows how white text looks on a background with the CIELCh color 85, 49.245, 133.710.

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, 49.245, 133.710

Protanopia

85, 39.667, 95.408

Deuteranopia

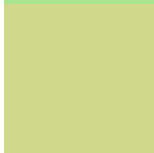
85, 34.929, 71.737




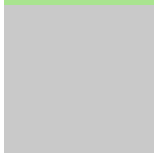

Tritanopia

85, 13.974, 238.820

Trichromacy

	Original Color 85, 49.245, 133.710
	Protanomaly 84, 40.334, 111.860
	Deuteranomaly 84, 34.007, 100.403
	Tritanomaly 85, 18.406, 163.278

Monochromacy

	Original Color 85, 49.245, 133.710
	Achromatopsia 81, 0.010, 296.813
	Achromatomaly 82, 18.346, 135.396

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 49.245, 133.710 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(169, 228, 143)` looks like.

```
.text, #text, p{  
    color:rgb(169, 228, 143)  
}
```

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(169, 228, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 228, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 49.245, 133.710 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(169, 228, 143) }
```

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

```
.border{ border-color:rgb(169, 228, 143) }
```

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

Here you see how a box with a 4 pixel rgb(169, 228, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 228, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 228, 143);  
box-shadow:4px 4px 4px 4px rgb(169, 228,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 49.245, 133.710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 228, 143) }
```

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

```
.background{ background-color: rgb(169,  
228, 143) }
```

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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