

Converting Colors

CIELCh(83, 49.808, 137.699)

Have a look what the booklet for
CIELCh(83, 49.808, 137.699)
contains.

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Color

CIELCh(83, 49.899, 137.902)

Conversions

Conversions Part 1

Format	Color
Hex	9BE08E
RGB	155, 224, 142
RGB Percent	61%, 88%, 56%
CMY	0.3926, 0.1220, 0.4435
CMYK	0.31, 0.00, 0.37, 0.12
HSL	110°, 57%, 72%
HSV	110°, 37%, 88%
XYZ	45.0004, 62.1629, 35.1793
YIQ	194.0210, -14.8020, -40.1300

Conversions

Conversions Part 2

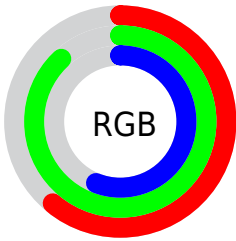
Format	Color
RYB	142, 224, 211
Decimal	10215566
CIELab	83.00, -37.03, 33.45
CIELCh	83, 49.899, 137.902
Yxy	62.1629, 0.3161, 0.4367
Android (android.graphics.Color)	4288405646 (0xFF9BE08E)
YUV	194.0210, -25.6464, -34.2214
Hunter-Lab	78.8435, -36.0961, 28.7358

Details

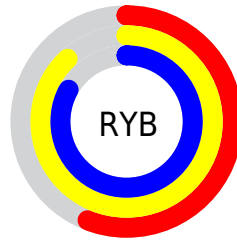
The CIELCh color **83, 49.899, 137.902** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **68, 50.495, 321.697**, and the grayscale version is **78, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 34.112, 136.046**, and **63, 49.525, 137.992** is the 20% darker color. If you saturate the color by 10%, you get **82, 62.966, 137.165**, and if you desaturate by 10%, it is **84, 36.388, 138.586**.

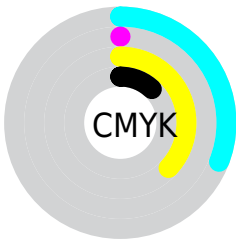
Distribution



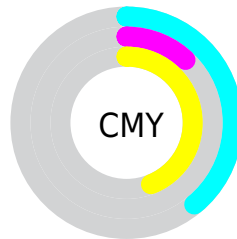
- Red (61%)
- Green (88%)
- Blue (56%)



- Red (56%)
- Yellow (88%)
- Blue (83%)



- Cyan (31%)
- Magenta (0%)
- Yellow (37%)
- Black (12%)





- Cyan (39%)
- Magenta (12%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 49.899, 137.902 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 83, 49.899, 137.902 by changing the saturation by 10% instead.


 83, 49.899,
137.902


 83, 49.899,
137.902


 100, 49.899,
137.902

 73, 49.899,
137.902

 63, 49.899,
137.902

 53, 49.899,
137.902

 43, 49.899,
137.902

 33, 49.899,
137.902

 23, 49.899,
137.902

 13, 49.899,

137.902

■ 3, 49.899, 137.902

■ 0, 49.899, 137.902

■ 83, 49.899,
137.902

■ 83, 49.899,
137.902

■ 82, 62.966,
137.165

■ 84, 36.388,
138.586

■ 81, 75.236,
136.412

■ 86, 22.687,
139.200

■ 80, 86.258,
135.716

■ 88, 8.990, 139.751


■ 79, 95.472,
135.190


■ 90, 4.568, 320.133


■ 92, 17.889,
320.568

■ 79, 102.296,

134.966

 92, 19.456,
325.101

 78, 106.384,
135.126

 78, 107.353,
135.190

Harmonies

Complementary

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



83, 49.899, 137.902



68, 50.495, 321.697

Rectangle

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



83, 49.899, 137.902



83, 49.899, 187.902



83, 49.899, 317.902



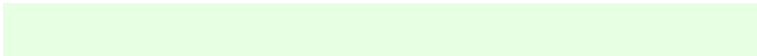
83, 49.899, 7.902

Sweetspot

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



83, 49.901, 137.903



98, 16.644, 139.511



84, 35.951, 98.145



52, 11.191, 139.436



0, 0.000, 0.000



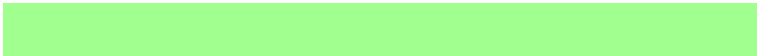
53, 0.007, 296.813

Same Dimension

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



83, 49.901, 137.903



92, 66.211, 137.338



83, 41.166, 152.464



46, 7.738, 139.599



63, 89.516, 135.066



17, 33.869, 136.610

Inverse Universe

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



68, 50.495, 321.697



73, 67.075, 322.009



69, 41.788, 338.516



44, 7.774, 320.452



37, 88.647, 322.207



6, 35.590, 322.841

Previews

White Background



This preview shows how the CIELCh color 83, 49.899, 137.902 looks on a white background.

Color Contrast Check

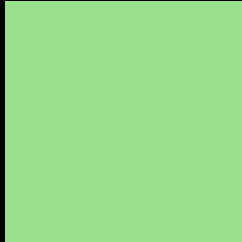
Large Text (above 18pt) WCAG AA × Fail

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 83, 49.899, 137.902 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 83, 49.899, 137.902

Background



This preview shows how black text looks on a background with the CIELCh color 83, 49.899, 137.902.

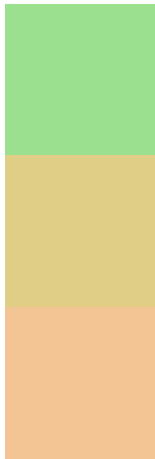


This preview shows how white text looks on a background with the CIELCh color 83, 49.899, 137.902.

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
83, 49.899, 137.902

Protanopia
83, 37.749, 95.548

Deuteranopia
83, 32.582, 71.529



Tritanopia
83, 16.513, 231.768

Trichromacy



Original Color
83, 49.899, 137.902



Protanomaly
83, 39.219, 115.016



Deuteranomaly
82, 31.914, 103.718

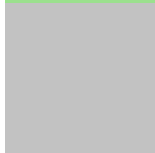


Tritanomaly
83, 21.003, 169.302

Monochromacy



Original Color
83, 49.899, 137.902



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 18.532, 139.086

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 49.899, 137.902 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(155, 224, 142)` looks like.

```
.text, #text, p{  
    color:rgb(155, 224, 142)  
}
```

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(155, 224, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 224, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 49.899, 137.902 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(155, 224, 142) }
```

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

```
.border{ border-color:rgb(155, 224, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 224, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 224, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 224, 142);  
box-shadow:4px 4px 4px 4px rgb(155, 224,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 49.899, 137.902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 224, 142) }
```

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

```
.background{ background-color: rgb(155,  
224, 142) }
```

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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