

Converting Colors

CIELCh(83, 53.486, 136.844)

Have a look what the booklet for
CIELCh(83, 53.486, 136.844)
contains.

CIELCh(83, 53.467, 136.837)	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(83, 53.467, 136.837)

Conversions

Conversions Part 1

Format	Color
Hex	99E188
RGB	153, 225, 136
RGB Percent	60%, 88%, 53%
CMY	0.4014, 0.1190, 0.4680
CMYK	0.32, 0.00, 0.40, 0.12
HSL	109°, 59%, 71%
HSV	109°, 40%, 88%
XYZ	44.3199, 62.1629, 32.8317
YIQ	193.3260, -14.3430, -42.9430

Conversions

Conversions Part 2

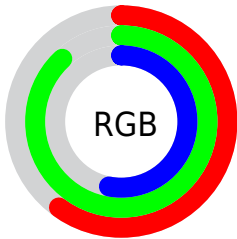
Format	Color
RYB	136, 225, 208
Decimal	10084744
CIELab	83.00, -39.00, 36.58
CIELCh	83, 53.467, 136.837
Yxy	62.1629, 0.3181, 0.4462
Android (android.graphics.Color)	4288274824 (0xFF99E188)
YUV	193.3260, -28.2617, -35.3659
Hunter-Lab	78.8435, -37.6367, 30.5011

Details

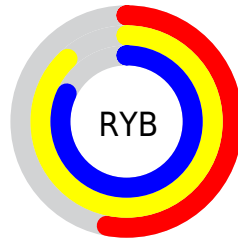
The CIELCh color **83, 53.467, 136.837** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **67, 54.329, 320.829**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 37.151, 134.765**, and **63, 53.120, 136.803** is the 20% darker color. If you saturate the color by 10%, you get **82, 66.269, 136.141**, and if you desaturate by 10%, it is **84, 40.150, 137.501**.

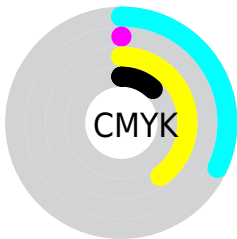
Distribution



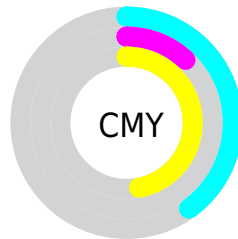
- Red (60%)
- Green (88%)
- Blue (53%)



- Red (53%)
- Yellow (88%)
- Blue (82%)



- Cyan (32%)
- Magenta (0%)
- Yellow (40%)
- Black (12%)





- Cyan (40%)
- Magenta (12%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 53.467, 136.837 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, 53.467, 136.837 by changing the saturation by 10% instead.


 83, 53.467,
136.837


 83, 53.467,
136.837


 100, 53.467,
136.837


 73, 53.467,
136.837

 63, 53.467,
136.837

 53, 53.467,
136.837

 43, 53.467,
136.837

 33, 53.467,
136.837

 23, 53.467,
136.837

 13, 53.467,

136.837

■ 3, 53.467, 136.837

■ 0, 53.467, 136.837

■ 83, 53.467,
136.837

■ 83, 53.467,
136.837

■ 82, 66.269,
136.141

■ 84, 40.150,
137.501

■ 81, 78.185,
135.460

■ 86, 26.585,
138.107

■ 80, 88.738,
134.883

■ 88, 12.975,
138.652


■ 79, 97.350,
134.529


■ 89, 0.538, 318.673


■ 79, 103.472,

■ 91, 13.850,
319.487

134.527

 93, 18.987,
325.084

 79, 107.051,
134.862

 79, 107.167,
134.872

Harmonies

Complementary

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



83, 53.467, 136.837



67, 54.329, 320.829

Rectangle

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



83, 53.467, 136.837



83, 53.467, 186.837



83, 53.467, 316.837



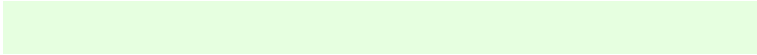
83, 53.467, 6.837

Sweetspot

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



83, 53.468, 136.838



98, 17.985, 138.522



83, 37.795, 95.708



52, 11.937, 138.452



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, 53.468, 136.838



92, 71.187, 136.230



83, 45.704, 150.816



46, 7.661, 138.660



63, 89.114, 134.726



17, 33.610, 136.019

Inverse Universe

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



67, 54.329, 320.829



70, 72.462, 321.157



68, 46.217, 337.265



44, 7.702, 319.486



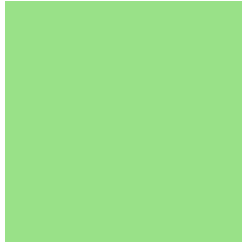
36, 89.031, 321.050



6, 35.450, 321.708

Previews

White Background



This preview shows how the CIELCh color 83, 53.467, 136.837 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, 53.467, 136.837 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, 53.467, 136.837

Background



This preview shows how black text looks on a background with the CIELCh color 83, 53.467, 136.837.



This preview shows how white text looks on a background with the CIELCh color 83, 53.467, 136.837.

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](#).

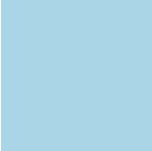
Dichromacy



Original Color
83, 53.467, 136.837

Protanopia
83, 41.218, 96.111

Deuteranopia
83, 35.748, 72.980



Tritanopia
83, 16.769, 231.185

Trichromacy



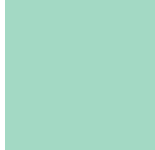
Original Color
83, 53.467, 136.837



Protanomaly
83, 42.727, 114.633



Deuteranomaly
82, 34.969, 103.732

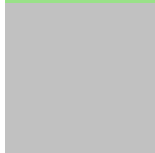


Tritanomaly
83, 22.166, 167.730

Monochromacy



Original Color
83, 53.467, 136.837



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 20.300, 138.571

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 53.467, 136.837 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(153, 225, 136)` looks like.

```
.text, #text, p{  
    color:rgb(153, 225, 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(153, 225, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 225, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 53.467, 136.837 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(153, 225, 136) }
```

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

```
.border{ border-color:rgb(153, 225, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 225, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 225, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 225, 136);  
box-shadow:4px 4px 4px 4px rgb(153, 225,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 53.467, 136.837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 225, 136) }
```

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

```
.background{ background-color: rgb(153,  
225, 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](#).

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