

Converting Colors

CIELCh(83, 53.797, 138.302)

Have a look what the booklet for
CIELCh(83, 53.797, 138.302)
contains.

CIELCh(83, 53.787, 138.287)	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, 53.787, 138.287)

Conversions

Conversions Part 1

Format	Color
Hex	95E189
RGB	149, 225, 137
RGB Percent	58%, 88%, 54%
CMY	0.4150, 0.1169, 0.4621
CMYK	0.34, 0.00, 0.39, 0.12
HSL	112°, 60%, 71%
HSV	112°, 39%, 88%
XYZ	43.9261, 62.1629, 33.4121
YIQ	192.2440, -17.0480, -43.4800

Conversions

Conversions Part 2

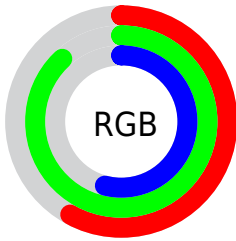
Format	Color
RYB	137, 225, 213
Decimal	9822601
CIELab	83.00, -40.15, 35.79
CIElCh	83, 53.787, 138.287
Yxy	62.1629, 0.3149, 0.4456
Android (android.graphics.Color)	4288012681 (0xFF95E189)
YUV	192.2440, -27.2353, -37.9250
Hunter-Lab	78.8435, -38.5284, 30.0647

Details

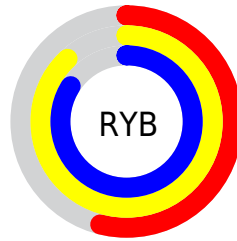
The CIELCh color **83, 53.787, 138.287** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **68, 54.329, 322.474**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 37.411, 136.976**, and **63, 53.633, 138.501** is the 20% darker color. If you saturate the color by 10%, you get **82, 66.821, 137.504**, and if you desaturate by 10%, it is **84, 40.210, 139.015**.

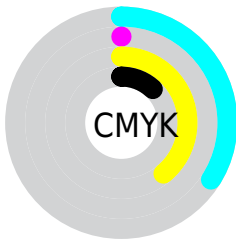
Distribution



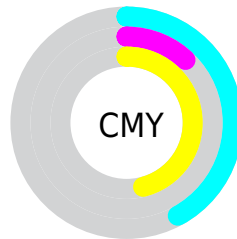
- Red (58%)
- Green (88%)
- Blue (54%)



- Red (54%)
- Yellow (88%)
- Blue (84%)



- Cyan (34%)
- Magenta (0%)
- Yellow (39%)
- Black (12%)





- Cyan (42%)
- Magenta (12%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 53.787, 138.287 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, 53.787, 138.287 by changing the saturation by 10% instead.


 83, 53.787,
138.287


 83, 53.787,
138.287


 100, 53.787,
138.287


 73, 53.787,
138.287

 63, 53.787,
138.287

 53, 53.787,
138.287

 43, 53.787,
138.287

 33, 53.787,
138.287

 23, 53.787,
138.287

 13, 53.787,

138.287

■ 3, 53.787, 138.287

■ 0, 53.787, 138.287

■ 83, 53.787,
138.287

■ 83, 53.787,
138.287

■ 82, 66.821,
137.504

■ 84, 40.210,
139.015

■ 81, 78.925,
136.710

■ 86, 26.376,
139.669

■ 80, 89.608,
135.987

■ 88, 12.501,
140.248

■ 79, 98.286,
135.455

■ 90, 1.259, 320.524

■ 79, 104.400,

■ 92, 14.793,
321.123

135.246

93, 18.649,
325.072

79, 107.840,
135.372

79, 108.086,
135.377

Harmonies

Complementary

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



83, 53.787, 138.287



68, 54.329, 322.474

Rectangle

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



83, 53.787, 138.287



83, 53.787, 188.287



83, 53.787, 318.287



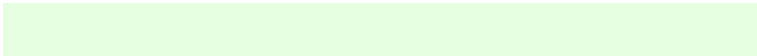
83, 53.787, 8.287

Sweetspot

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



83, 53.788, 138.288



97, 18.293, 140.081



84, 39.110, 98.842



52, 12.142, 140.006



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, 53.788, 138.288



92, 70.943, 137.645



83, 43.474, 152.860



46, 7.792, 140.228



63, 89.753, 135.264



16, 34.050, 137.012

Inverse Universe

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



68, 54.329, 322.474



71, 71.673, 322.800



68, 44.236, 339.531



44, 7.824, 321.101



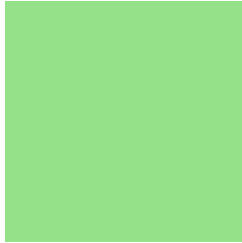
37, 88.413, 323.014



6, 35.673, 323.607

Previews

White Background



This preview shows how the CIELCh color 83, 53.787, 138.287 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, 53.787, 138.287 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, 53.787, 138.287

Background



This preview shows how black text looks on a background with the CIELCh color 83, 53.787, 138.287.



This preview shows how white text looks on a background with the CIELCh color 83, 53.787, 138.287.

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](#).

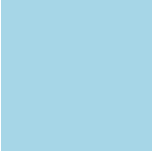
Dichromacy



Original Color
83, 53.787, 138.287

Protanopia
83, 40.725, 96.040

Deuteranopia
83, 34.605, 72.716



Tritanopia
83, 17.788, 229.024

Trichromacy



Original Color
83, 53.787, 138.287



Protanomaly
82, 42.302, 115.295



Deuteranomaly
82, 33.914, 105.102



Tritanomaly
83, 23.278, 169.225

Monochromacy



Original Color
83, 53.787, 138.287



Achromatopsia
78, 0.009, 296.813



Achromatomaly
79, 20.056, 140.195

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 53.787, 138.287 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(149, 225, 137)` looks like.

```
.text, #text, p{  
    color:rgb(149, 225, 137)  
}
```

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(149, 225, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 225, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 53.787, 138.287 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(149, 225, 137) }
```

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

```
.border{ border-color:rgb(149, 225, 137) }
```

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

Here you see how a box with a 4 pixel rgb(149, 225, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 225, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 225, 137);  
box-shadow:4px 4px 4px 4px rgb(149, 225,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 53.787, 138.287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 225, 137) }
```

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

```
.background{ background-color: rgb(149,  
225, 137) }
```

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