

Converting Colors

CIELCh(83, 47.041, 140.998)

Have a look what the booklet for
CIELCh(83, 47.041, 140.998)
contains.

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Color

CIELCh(83, 47.253, 140.779)

Conversions

Conversions Part 1

Format	Color
Hex	99E095
RGB	153, 224, 149
RGB Percent	60%, 88%, 58%
CMY	0.4005, 0.1221, 0.4162
CMYK	0.32, 0.00, 0.33, 0.12
HSL	117°, 55%, 73%
HSV	117°, 33%, 88%
XYZ	45.1452, 62.1629, 37.9996
YIQ	194.2210, -18.2410, -38.3770

Conversions

Conversions Part 2

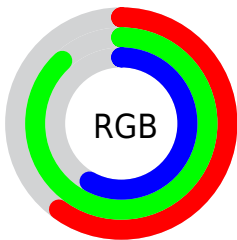
Format	Color
RYB	149, 224, 220
Decimal	10084501
CIELab	83.00, -36.61, 29.88
CIELCh	83, 47.253, 140.779
Yxy	62.1629, 0.3107, 0.4278
Android (android.graphics.Color)	4288274581 (0xFF99E095)
YUV	194.2210, -22.2940, -36.1508
Hunter-Lab	78.8435, -35.7683, 26.6149

Details

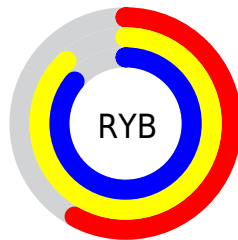
The CIELCh color $83, 47.253, 140.779$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $71, 47.386, 324.706$, and the grayscale version is $79, 0.010, 296.813$.

A 20% lighter version of the original color is $96, 30.957, 140.640$, and $63, 47.272, 140.638$ is the 20% darker color. If you saturate the color by 10%, you get $82, 60.854, 139.890$, and if you desaturate by 10%, it is $85, 33.220, 141.569$.

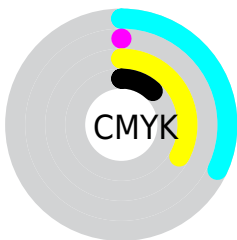
Distribution



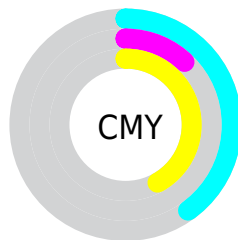
- Red (60%)
- Green (88%)
- Blue (58%)



- Red (58%)
- Yellow (88%)
- Blue (86%)



- Cyan (32%)
- Magenta (0%)
- Yellow (33%)
- Black (12%)



- Cyan (40%)
- Magenta (12%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 47.253, 140.779 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, 47.253, 140.779 by changing the saturation by 10% instead.


 83, 47.253,
140.779


 83, 47.253,
140.779


 100, 47.253,
140.779


 73, 47.253,
140.779

 63, 47.253,
140.779

 53, 47.253,
140.779

 43, 47.253,
140.779

 33, 47.253,
140.779

 23, 47.253,
140.779

 13, 47.253,

140.779

■ 3, 47.253, 140.779

■ 0, 47.253, 140.779

■ 83, 47.253,
140.779

■ 83, 47.253,
140.779

■ 82, 60.854,
139.890

■ 85, 33.220,
141.569

■ 81, 73.652,
138.923

■ 86, 19.030,
142.258

■ 80, 85.190,
137.934

■ 88, 4.894, 142.882


■ 79, 94.912,
137.021


■ 91, 9.038, 323.294

■ 92, 19.476,
325.101

■ 78, 102.226,

136.320

 78, 106.698,
135.958

 78, 108.293,
135.841

Harmonies

Complementary

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



83, 47.253, 140.779



71, 47.386, 324.706

Rectangle

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



83, 47.253, 140.779



83, 47.253, 190.779



83, 47.253, 320.779



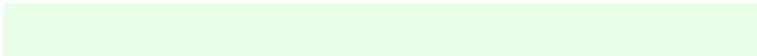
83, 47.253, 10.779

Sweetspot

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



83, 47.255, 140.779



98, 15.637, 142.473



86, 36.154, 103.905



52, 10.678, 142.385



0, 0.000, 0.000



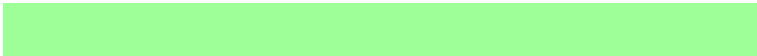
53, 0.007, 296.813

Same Dimension

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



83, 47.255, 140.779



92, 62.405, 140.185



83, 34.871, 157.166



46, 8.001, 142.512



63, 90.386, 135.782



16, 34.767, 138.520

Inverse Universe

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



71, 47.386, 324.706



76, 62.537, 325.025



70, 35.870, 343.167



44, 8.021, 323.476



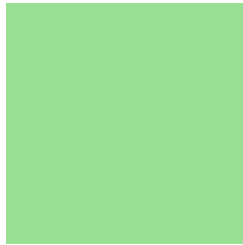
40, 87.738, 326.153



7, 35.886, 326.444

Previews

White Background



This preview shows how the CIELCh color 83, 47.253, 140.779 looks on a white background.

Color Contrast Check

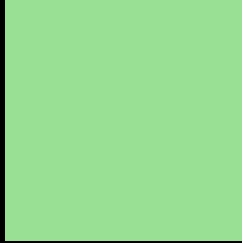
Large Text (above 18pt) WCAG AA × Fail

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, 47.253, 140.779 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, 47.253, 140.779

Background



This preview shows how black text looks on a background with the CIELCh color 83, 47.253, 140.779.



This preview shows how white text looks on a background with the CIELCh color 83, 47.253, 140.779.

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, 47.253, 140.779

Protanopia
83, 34.662, 95.587

Deuteranopia
82, 29.017, 69.122

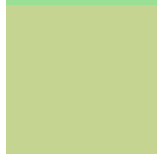


Tritanopia
83, 17.274, 230.063

Trichromacy



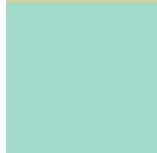
Original Color
83, 47.253, 140.779



Protanomaly
82, 35.835, 116.666



Deuteranomaly
82, 28.280, 105.238

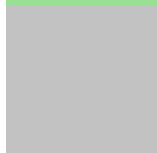


Tritanomaly
83, 21.590, 173.224

Monochromacy



Original Color
83, 47.253, 140.779



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 17.374, 142.708

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 47.253, 140.779 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, 224, 149)` looks like.

```
.text, #text, p{  
    color:rgb(153, 224, 149)  
}
```

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, 224, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 224, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 47.253, 140.779 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, 224, 149) }
```

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

```
.border{ border-color:rgb(153, 224, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 224, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 224, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 224, 149); box-shadow:4px 4px 4px 4px rgb(153, 224, 149) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 47.253, 140.779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 224, 149) }
```

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

```
.background{ background-color: rgb(153,  
224, 149) }
```

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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