

Converting Colors

CIELCh(83, 40.009, 136.898)

Have a look what the booklet for
CIELCh(83, 40.009, 136.898)
contains.

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Color

CIELCh(83, 40.336, 136.952)

Conversions

Conversions Part 1

Format	Color
Hex	A8DD9A
RGB	168, 221, 154
RGB Percent	66%, 87%, 60%
CMY	0.3424, 0.1345, 0.3972
CMYK	0.24, 0.00, 0.30, 0.13
HSL	107°, 49%, 73%
HSV	107°, 30%, 87%
XYZ	47.6663, 62.1629, 39.9298
YIQ	197.5150, -10.0810, -32.0730

Conversions

Conversions Part 2

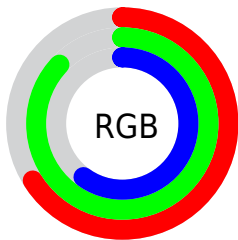
Format	Color
RYB	154, 221, 207
Decimal	11066778
CIELab	83.00, -29.48, 27.53
CIElCh	83, 40.336, 136.952
Yxy	62.1629, 0.3183, 0.4151
Android (android.graphics.Color)	4289256858 (0xFFA8DD9A)
YUV	197.5150, -21.4529, -25.8847
Hunter-Lab	78.8435, -30.0606, 25.1634

Details

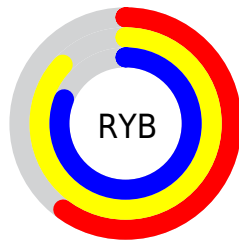
The CIELCh color $83, 40.336, 136.952$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $70, 40.927, 319.884$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $97, 26.019, 134.098$, and $63, 40.785, 137.054$ is the 20% darker color. If you saturate the color by 10%, you get $82, 53.370, 136.307$, and if you desaturate by 10%, it is $84, 27.053, 137.547$.

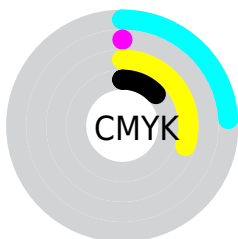
Distribution



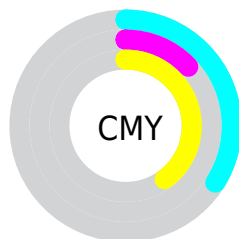
- Red (66%)
- Green (87%)
- Blue (60%)



- Red (60%)
- Yellow (87%)
- Blue (81%)



- Cyan (24%)
- Magenta (0%)
- Yellow (30%)
- Black (13%)





- Cyan (34%)
- Magenta (13%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 40.336, 136.952 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, 40.336, 136.952 by changing the saturation by 10% instead.


 83, 40.336,
136.952


 83, 40.336,
136.952


 100, 40.336,
136.952


 73, 40.336,
136.952

 63, 40.336,
136.952

 53, 40.336,
136.952

 43, 40.336,
136.952

 33, 40.336,
136.952

 23, 40.336,
136.952

 13, 40.336,

136.952

■ 3, 40.336, 136.952

■ 0, 40.336, 136.952

■ 83, 40.336,
136.952

■ 83, 40.336,
136.952

■ 82, 53.370,
136.307

■ 84, 27.053,
137.547

■ 81, 65.882,
135.637

■ 86, 13.711,
138.084

■ 80, 77.514,
134.996

■ 88, 0.454, 139.020

■ 79, 87.791,
134.473

■ 90, 12.619,
318.915

■ 78, 96.145,

■ 92, 21.474,
325.170

134.190

92, 21.475,
325.172

78, 102.047,
134.273

77, 105.446,
134.657

Harmonies

Complementary

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



83, 40.336, 136.952



70, 40.927, 319.884

Rectangle

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



83, 40.336, 136.952



83, 40.336, 186.952



83, 40.336, 316.952



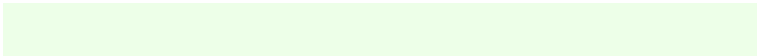
83, 40.336, 6.952

Sweetspot

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



83, 40.338, 136.953



98, 13.393, 138.149



83, 28.111, 95.774



52, 9.314, 138.074



0, 0.000, 0.000



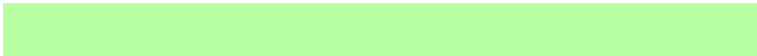
53, 0.007, 296.813

Same Dimension

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



83, 40.338, 136.953



94, 53.674, 136.574



83, 35.175, 151.178



45, 7.477, 138.131



62, 87.896, 134.500



16, 31.896, 136.254

Inverse Universe

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



70, 40.927, 319.884



77, 54.587, 320.137



71, 35.508, 335.779



43, 7.520, 318.942



35, 88.301, 320.429



5, 33.484, 320.779

Previews

White Background



This preview shows how the CIELCh color 83, 40.336, 136.952 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, 40.336, 136.952 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, 40.336, 136.952

Background



This preview shows how black text looks on a background with the CIELCh color 83, 40.336, 136.952.



This preview shows how white text looks on a background with the CIELCh color 83, 40.336, 136.952.

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](#).

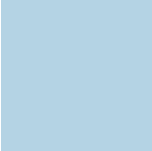
Dichromacy



Original Color
83, 40.336, 136.952

Protanopia
83, 31.553, 95.566

Deuteranopia
83, 27.440, 67.971



Tritanopia
83, 13.545, 240.646

Trichromacy



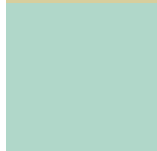
Original Color
83, 40.336, 136.952



Protanomaly
83, 32.484, 113.656



Deuteranomaly
82, 25.942, 99.952



Tritanomaly
83, 15.797, 170.326

Monochromacy



Original Color
83, 40.336, 136.952



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 15.254, 138.255

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 40.336, 136.952 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(168, 221, 154)` looks like.

```
.text, #text, p{  
    color:rgb(168, 221, 154)  
}
```

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(168, 221, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 221, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 40.336, 136.952 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(168, 221, 154) }
```

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

```
.border{ border-color:rgb(168, 221, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 221, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 221, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 221, 154);  
box-shadow:4px 4px 4px 4px rgb(168, 221,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 40.336, 136.952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 221, 154) }
```

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

```
.background{ background-color: rgb(168,  
221, 154) }
```

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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