

Converting Colors

CIELCh(83, 42.511, 144.328)

Have a look what the booklet for
CIELCh(83, 42.511, 144.328)
contains.

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Color

CIELCh(83, 42.379, 144.552)

Conversions

Conversions Part 1

Format	Color
Hex	99DF9F
RGB	153, 223, 159
RGB Percent	60%, 87%, 62%
CMY	0.3994, 0.1248, 0.3758
CMYK	0.31, 0.00, 0.29, 0.12
HSL	125°, 52%, 74%
HSV	125°, 31%, 88%
XYZ	45.8725, 62.1629, 42.4543
YIQ	194.7740, -21.1760, -34.7440

Conversions

Conversions Part 2

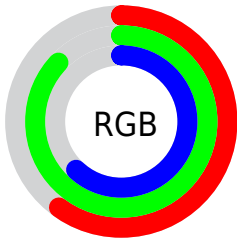
Format	Color
RYB	153, 217, 223
Decimal	10084255
CIELab	83.00, -34.52, 24.58
CIELCh	83, 42.379, 144.552
Yxy	62.1629, 0.3048, 0.4131
Android (android.graphics.Color)	4288274335 (0xFF99DF9F)
YUV	194.7740, -17.6366, -36.6358
Hunter-Lab	78.8435, -34.1217, 23.2649

Details

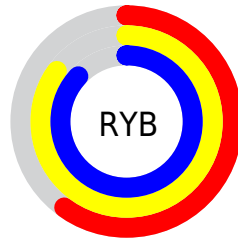
The CIELCh color $83, 42.379, 144.552$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $72, 42.400, 328.650$, and the grayscale version is $79, 0.010, 296.813$.

A 20% lighter version of the original color is $96, 26.726, 146.347$, and $63, 42.257, 144.638$ is the 20% darker color. If you saturate the color by 10%, you get $82, 55.508, 143.556$, and if you desaturate by 10%, it is $85, 28.902, 145.414$.

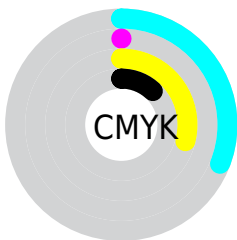
Distribution



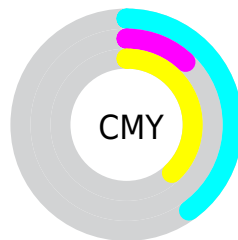
- Red (60%)
- Green (87%)
- Blue (62%)



- Red (60%)
- Yellow (85%)
- Blue (87%)



- Cyan (31%)
- Magenta (0%)
- Yellow (29%)
- Black (12%)





- Cyan (40%)
- Magenta (12%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 42.379, 144.552 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, 42.379, 144.552 by changing the saturation by 10% instead.


 83, 42.379,
144.552


 83, 42.379,
144.552


 100, 42.379,
144.552


 73, 42.379,
144.552

 63, 42.379,
144.552

 53, 42.379,
144.552

 43, 42.379,
144.552

 33, 42.379,
144.552

 23, 42.379,
144.552

 13, 42.379,

144.552

■ 3, 42.379, 144.552

■ 0, 42.379, 144.552

■ 83, 42.379,
144.552

■ 83, 42.379,
144.552

■ 82, 55.508,
143.556

■ 85, 28.902,
145.414

■ 80, 67.977,
142.422

■ 87, 15.320,
146.158

■ 79, 79.424,
141.168

■ 89, 1.825, 146.929


■ 79, 89.442,
139.841


■ 91, 11.445,
327.271

■ 78, 97.603,

■ 92, 19.912,
325.117

138.531

 78, 103.513,
137.368

 78, 106.691,
136.632

Harmonies

Complementary

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



83, 42.379, 144.552



72, 42.400, 328.650

Rectangle

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



83, 42.379, 144.552



83, 42.379, 194.552



83, 42.379, 324.552



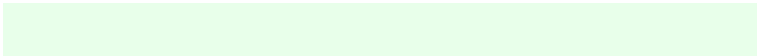
83, 42.379, 14.552

Sweetspot

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



83, 42.381, 144.552



98, 13.491, 146.316



87, 36.077, 110.815



52, 9.384, 146.215



0, 0.000, 0.000



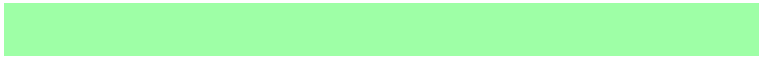
53, 0.007, 296.813

Same Dimension

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



83, 42.381, 144.552



92, 56.968, 143.878



84, 28.981, 165.326



46, 7.675, 146.290



63, 89.007, 136.782



16, 33.758, 140.938

Inverse Universe

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



72, 42.400, 328.650



78, 56.907, 329.048



71, 30.703, 351.638



44, 7.690, 327.359



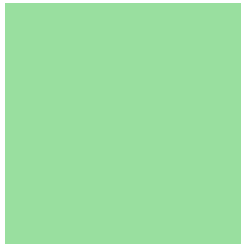
41, 81.822, 331.951



7, 33.916, 331.285

Previews

White Background



This preview shows how the CIELCh color 83, 42.379, 144.552 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, 42.379, 144.552 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, 42.379, 144.552

Background



This preview shows how black text looks on a background with the CIELCh color 83, 42.379, 144.552.

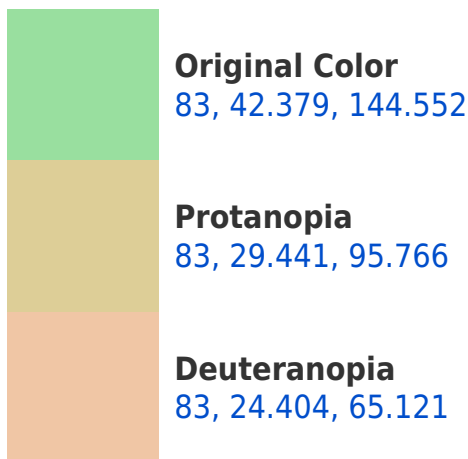


This preview shows how white text looks on a background with the CIELCh color 83, 42.379, 144.552.

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



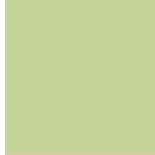


Tritanopia
83, 17.531, 229.535

Trichromacy



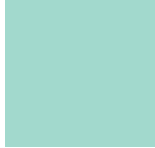
Original Color
83, 42.379, 144.552



Protanomaly
82, 30.907, 119.243



Deuteranomaly
82, 23.084, 107.154



Tritanomaly
83, 20.108, 179.515

Monochromacy



Original Color
83, 42.379, 144.552



Achromatopsia
79, 0.010, 296.813



Achromatomaly
80, 15.403, 145.939

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 42.379, 144.552 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, 223, 159)` looks like.

```
.text, #text, p{  
    color:rgb(153, 223, 159)  
}
```

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, 223, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 223, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 42.379, 144.552 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, 223, 159) }
```

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

```
.border{ border-color:rgb(153, 223, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 223, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 223, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 223, 159); box-shadow:4px 4px 4px 4px rgb(153, 223, 159) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 42.379, 144.552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 223, 159) }
```

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

```
.background{ background-color: rgb(153,  
223, 159) }
```

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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