

Converting Colors

CIELCh(83, 50.064, 142.375)

Have a look what the booklet for
CIELCh(83, 50.064, 142.375)
contains.

CIELCh(83, 50.098, 142.196)	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, 50.098, 142.196)

Conversions

Conversions Part 1

Format	Color
Hex	92E193
RGB	146, 225, 147
RGB Percent	57%, 88%, 58%
CMY	0.4269, 0.1171, 0.4230
CMYK	0.35, 0.00, 0.35, 0.12
HSL	121°, 57%, 73%
HSV	121°, 35%, 88%
XYZ	44.1201, 62.1629, 37.3320
YIQ	192.4870, -22.0460, -41.0060

Conversions

Conversions Part 2

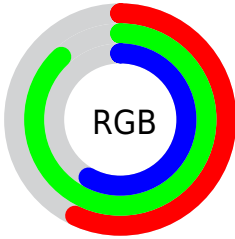
Format	Color
RYB	146, 224, 225
Decimal	9626003
CIELab	83.00, -39.58, 30.71
CIELCh	83, 50.098, 142.196
Yxy	62.1629, 0.3072, 0.4328
Android (android.graphics.Color)	4287816083 (0xFF92E193)
YUV	192.4870, -22.4251, -40.7691
Hunter-Lab	78.8435, -38.0892, 27.1169

Details

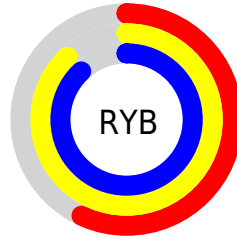
The CIELCh color **83, 50.098, 142.196** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **71, 50.051, 326.686**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 33.219, 143.087**, and **63, 49.698, 142.262** is the 20% darker color. If you saturate the color by 10%, you get **82, 63.715, 141.184**, and if you desaturate by 10%, it is **85, 35.950, 143.085**.

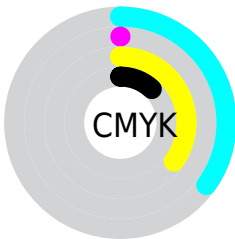
Distribution



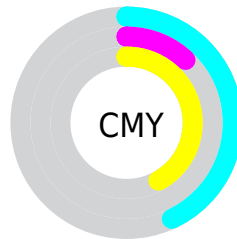
- Red (57%)
- Green (88%)
- Blue (58%)



- Red (57%)
- Yellow (88%)
- Blue (88%)



- Cyan (35%)
- Magenta (0%)
- Yellow (35%)
- Black (12%)





- Cyan (43%)
- Magenta (12%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 50.098, 142.196 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, 50.098, 142.196 by changing the saturation by 10% instead.


 83, 50.098,
142.196


 83, 50.098,
142.196


 100, 50.098,
142.196


 73, 50.098,
142.196

 63, 50.098,
142.196

 53, 50.098,
142.196

 43, 50.098,
142.196

 33, 50.098,
142.196

 23, 50.098,
142.196

 13, 50.098,

142.196

■ 3, 50.098, 142.196

■ 0, 50.098, 142.196

■ 83, 50.098,
142.196

■ 83, 50.098,
142.196

■ 82, 63.715,
141.184

■ 85, 35.950,
143.085

■ 81, 76.400,
140.068

■ 86, 21.581,
143.852

■ 80, 87.675,
138.900

■ 88, 7.231, 144.526


■ 79, 96.991,
137.782


■ 91, 6.926, 324.993

■ 93, 18.670,
325.073

■ 79, 103.796,

136.854

 78, 107.733,
136.253

 78, 108.810,
136.096

Harmonies

Complementary

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



83, 50.098, 142.196



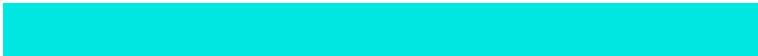
71, 50.051, 326.686

Rectangle

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



83, 50.098, 142.196



83, 50.098, 192.196



83, 50.098, 322.196



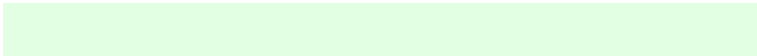
83, 50.098, 12.196

Sweetspot

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



83, 50.099, 142.196



97, 17.365, 144.129



88, 40.421, 106.785



52, 11.677, 144.037



0, 0.000, 0.000



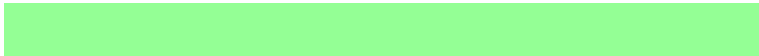
53, 0.007, 296.813

Same Dimension

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



83, 50.099, 142.196



92, 65.893, 141.480



84, 34.735, 160.273



46, 8.072, 144.239



63, 90.438, 136.125



16, 35.035, 139.686

Inverse Universe

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



71, 50.051, 326.686



76, 65.710, 327.050



70, 36.249, 347.043



44, 8.085, 325.277



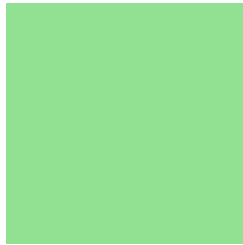
42, 86.635, 328.736



8, 35.626, 328.649

Previews

White Background



This preview shows how the CIELCh color 83, 50.098, 142.196 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, 50.098, 142.196 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, 50.098, 142.196

Background



This preview shows how black text looks on a background with the CIELCh color 83, 50.098, 142.196.

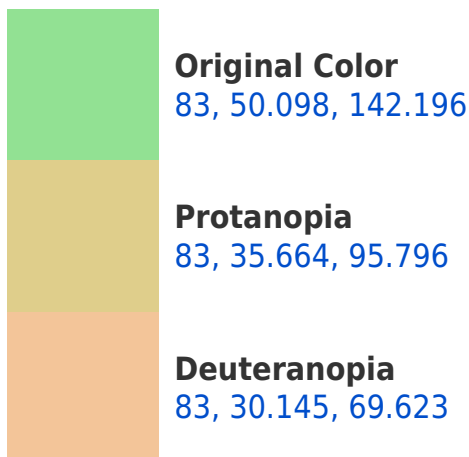


This preview shows how white text looks on a background with the CIELCh color 83, 50.098, 142.196.

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



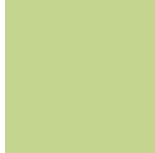


Tritanopia
83, 19.069, 226.683

Trichromacy



Original Color
83, 50.098, 142.196



Protanomaly
82, 37.527, 117.960



Deuteranomaly
82, 29.289, 106.787

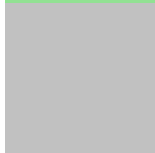


Tritanomaly
83, 23.850, 174.141

Monochromacy



Original Color
83, 50.098, 142.196



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 18.898, 143.591

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 50.098, 142.196 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(146, 225, 147)` looks like.

```
.text, #text, p{  
    color:rgb(146, 225, 147)  
}
```

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(146, 225, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 225, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 50.098, 142.196 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(146, 225, 147) }
```

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

```
.border{ border-color:rgb(146, 225, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 225, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 225, 147); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 225, 147); box-shadow:4px 4px 4px 4px rgb(146, 225, 147) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 50.098, 142.196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 225, 147) }
```

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

```
.background{ background-color: rgb(146,  
225, 147) }
```

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