

Converting Colors

CIELCh(83, 49.232, 142.225)

Have a look what the booklet for
CIELCh(83, 49.232, 142.225)
contains.

CIELCh(83, 49.473, 142.243)	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, 49.473, 142.243)

Conversions

Conversions Part 1

Format	Color
Hex	93E194
RGB	147, 225, 148
RGB Percent	58%, 88%, 58%
CMY	0.4237, 0.1178, 0.4198
CMYK	0.35, 0.00, 0.34, 0.12
HSL	121°, 56%, 73%
HSV	121°, 35%, 88%
XYZ	44.2806, 62.1629, 37.6652
YIQ	192.9000, -21.7710, -40.4830

Conversions

Conversions Part 2

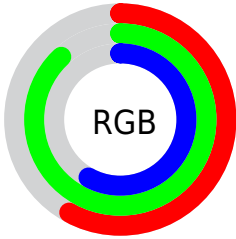
Format	Color
RYB	147, 224, 225
Decimal	9691540
CIELab	83.00, -39.11, 30.29
CIELCh	83, 49.473, 142.243
Yxy	62.1629, 0.3073, 0.4314
Android (android.graphics.Color)	4287881620 (0xFF93E194)
YUV	192.9000, -22.1357, -40.2543
Hunter-Lab	78.8435, -37.7257, 26.8663

Details

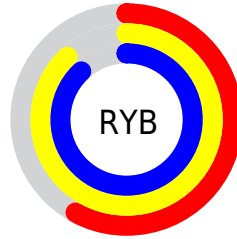
The CIELCh color $83, 49.473, 142.243$ is a light color, and the websafe version is hex $66CC99$. A complement of this color would be $71, 49.430, 326.672$, and the grayscale version is $78, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 32.590, 143.117$, and $63, 49.501, 141.991$ is the 20% darker color. If you saturate the color by 10%, you get $82, 63.108, 141.236$, and if you desaturate by 10%, it is $85, 35.322, 143.126$.

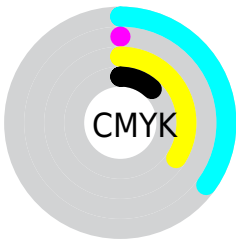
Distribution



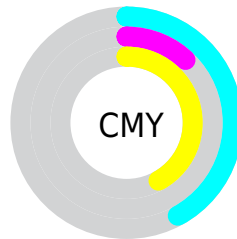
- Red (58%)
- Green (88%)
- Blue (58%)



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



- Cyan (35%)
- Magenta (0%)
- Yellow (34%)
- Black (12%)





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

Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 49.473, 142.243 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, 49.473, 142.243 by changing the saturation by 10% instead.

 83, 49.473,
142.243

 83, 49.473,
142.243


 100, 49.473,
142.243


 73, 49.473,
142.243

 63, 49.473,
142.243

 53, 49.473,
142.243

 43, 49.473,
142.243

 33, 49.473,
142.243

 23, 49.473,
142.243

 13, 49.473,

142.243

■ 3, 49.473, 142.243

■ 0, 49.473, 142.243

■ 83, 49.473,
142.243

■ 83, 49.473,
142.243

■ 82, 63.108,
141.236

■ 85, 35.322,
143.126

■ 81, 75.831,
140.123

■ 86, 20.962,
143.889

■ 80, 87.168,
138.955

■ 88, 6.630, 144.561

■ 79, 96.572,
137.832

■ 91, 7.504, 325.025

■ 93, 18.788,
325.077

■ 79, 103.490,

136.892

■ 78, 107.552,
136.273

■ 78, 108.737,
136.098

Harmonies

Complementary

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



83, 49.473, 142.243



71, 49.430, 326.672

Rectangle

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



83, 49.473, 142.243



83, 49.473, 192.243



83, 49.473, 322.243



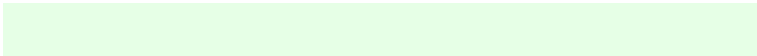
83, 49.473, 12.243

Sweetspot

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



83, 49.474, 142.243



98, 15.773, 144.204



88, 39.928, 106.824



52, 10.771, 144.109



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, 49.474, 142.243



92, 65.881, 141.487



84, 34.314, 160.322



46, 8.071, 144.246



63, 90.433, 136.127



16, 35.030, 139.690

Inverse Universe

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



71, 49.430, 326.672



76, 65.698, 327.058



70, 35.794, 346.993



44, 8.083, 325.285



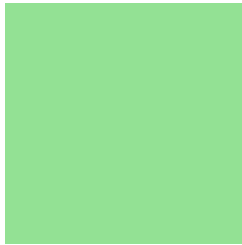
42, 86.617, 328.748



8, 35.620, 328.658

Previews

White Background



This preview shows how the CIELCh color 83, 49.473, 142.243 looks on a white background.

Color Contrast Check

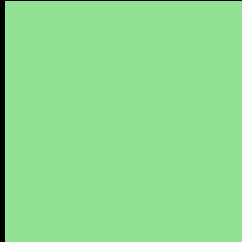
Large Text (above 18pt) WCAG AA × Fail

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, 49.473, 142.243 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, 49.473, 142.243

Background



This preview shows how black text looks on a background with the CIELCh color 83, 49.473, 142.243.

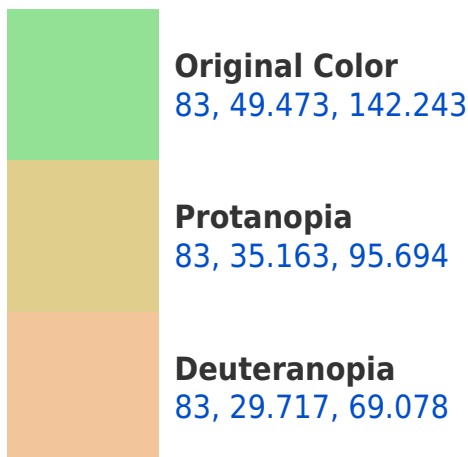


This preview shows how white text looks on a background with the CIELCh color 83, 49.473, 142.243.

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



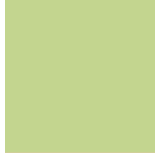


Tritanopia
83, 18.811, 227.120

Trichromacy



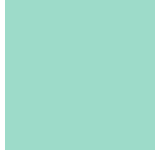
Original Color
83, 49.473, 142.243



Protanomaly
82, 37.032, 118.139



Deuteranomaly
82, 28.775, 106.821

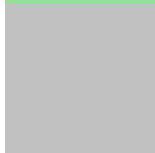


Tritanomaly
83, 23.565, 173.864

Monochromacy



Original Color
83, 49.473, 142.243



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 18.459, 144.515

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 49.473, 142.243 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(147, 225, 148)` looks like.

```
.text, #text, p{  
    color:rgb(147, 225, 148)  
}
```

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(147, 225, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 225, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 49.473, 142.243 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(147, 225, 148) }
```

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

```
.border{ border-color:rgb(147, 225, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 225, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 225, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 225, 148);  
box-shadow:4px 4px 4px 4px rgb(147, 225,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 49.473, 142.243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 225, 148) }
```

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

```
.background{ background-color: rgb(147,  
225, 148) }
```

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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