

Converting Colors

CIELCh(83, 41.673, 149.113)

Have a look what the booklet for
CIELCh(83, 41.673, 149.113)
contains.

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Color

CIELCh(83, 41.784, 148.963)

Conversions

Conversions Part 1

Format	Color
Hex	93E0A5
RGB	147, 224, 165
RGB Percent	58%, 88%, 65%
CMY	0.4239, 0.1220, 0.3533
CMYK	0.34, 0.00, 0.26, 0.12
HSL	134°, 55%, 73%
HSV	134°, 34%, 88%
XYZ	45.4255, 62.1629, 45.1551
YIQ	194.2510, -26.9530, -34.6730

Conversions

Conversions Part 2

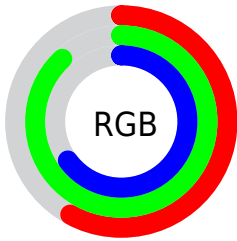
Format	Color
RYB	147, 209, 224
Decimal	9691301
CIELab	83.00, -35.80, 21.54
CIELCh	83, 41.784, 148.963
Yxy	62.1629, 0.2974, 0.4070
Android (android.graphics.Color)	4287881381 (0xFF93E0A5)
YUV	194.2510, -14.4207, -41.4391
Hunter-Lab	78.8435, -35.1338, 21.2340

Details

The CIELCh color $83, 41.784, 148.963$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $70, 42.034, 334.066$, and the grayscale version is $79, 0.010, 296.813$.

A 20% lighter version of the original color is $96, 25.749, 153.814$, and $63, 41.557, 149.087$ is the 20% darker color. If you saturate the color by 10%, you get $82, 53.485, 147.852$, and if you desaturate by 10%, it is $85, 29.722, 149.924$.

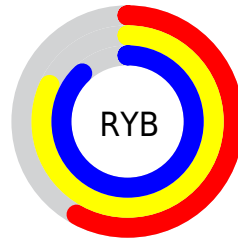
Distribution



Red (58%)

Green (88%)

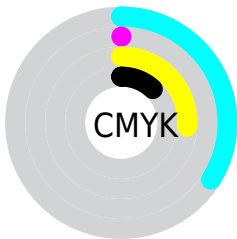
Blue (65%)



Red (58%)

Yellow (82%)

Blue (88%)

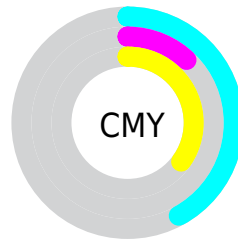


Cyan (34%)

Magenta (0%)

Yellow (26%)

Black (12%)



Cyan (42%)

Magenta (12%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 41.784, 148.963 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, 41.784, 148.963 by changing the saturation by 10% instead.


 83, 41.784,
148.963


 83, 41.784,
148.963


 100, 41.784,
148.963


 73, 41.784,
148.963

 63, 41.784,
148.963

 53, 41.784,
148.963

 43, 41.784,
148.963

 33, 41.784,
148.963

 23, 41.784,
148.963

 13, 41.784,

148.963

■ 3, 41.784, 148.963

■ 0, 41.784, 148.963

■ 83, 41.784,
148.963

■ 83, 41.784,
148.963

■ 82, 53.485,
147.852

■ 85, 29.722,
149.924

■ 81, 64.576,
146.575

■ 86, 17.504,
150.759

■ 80, 74.802,
145.126

■ 88, 5.305, 151.520


■ 79, 83.910,
143.516


■ 90, 6.743, 332.024


■ 92, 17.682,
329.195

■ 79, 91.678,

141.787

 92, 19.455,
325.101

 78, 97.936,
140.021

 78, 100.811,
139.104

Harmonies

Complementary

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



83, 41.784, 148.963



70, 42.034, 334.066

Rectangle

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



83, 41.784, 148.963



83, 41.784, 198.963



83, 41.784, 328.963



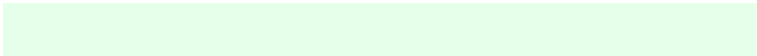
83, 41.784, 18.963

Sweetspot

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



83, 41.785, 148.963



98, 13.489, 151.089



86, 40.159, 117.045



52, 9.210, 150.983



0, 0.000, 0.000



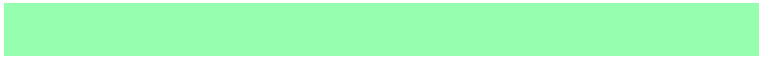
53, 0.007, 296.813

Same Dimension

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



83, 41.785, 148.963



92, 55.074, 148.213



84, 28.320, 174.881



46, 6.903, 151.136



63, 83.618, 139.398



16, 31.226, 143.834

Inverse Universe

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



70, 42.034, 334.066



75, 55.328, 334.584



69, 31.813, 2.334



44, 6.928, 332.314



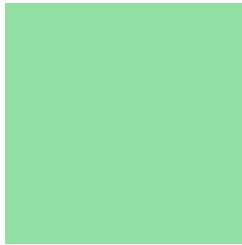
40, 73.138, 340.232



7, 30.675, 337.855

Previews

White Background



This preview shows how the CIELCh color 83, 41.784, 148.963 looks on a white background.

Color Contrast Check

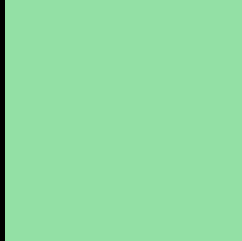
Large Text (above 18pt) WCAG AA × Fail

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, 41.784, 148.963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

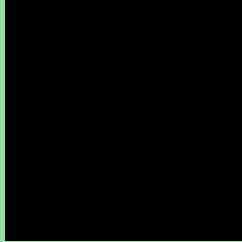
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 41.784, 148.963

Background



This preview shows how black text looks on a background with the CIELCh color 83, 41.784, 148.963.

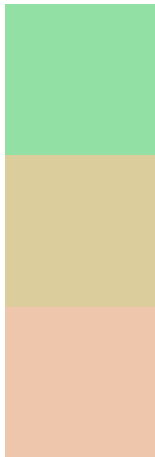


This preview shows how white text looks on a background with the CIELCh color 83, 41.784, 148.963.

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, 41.784, 148.963

Protanopia

83, 26.420, 94.754

Deuteranopia

83, 21.464, 61.368



Tritanopia
83, 19.584, 225.847

Trichromacy



Original Color
83, 41.784, 148.963



Protanomaly
82, 28.693, 122.652



Deuteranomaly
82, 19.980, 110.630



Tritanomaly
83, 22.077, 183.916

Monochromacy



Original Color
83, 41.784, 148.963



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 15.683, 150.129

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 41.784, 148.963 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, 224, 165)` looks like.

```
.text, #text, p{  
    color:rgb(147, 224, 165)  
}
```

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, 224, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 224, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 41.784, 148.963 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, 224, 165) }
```

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

```
.border{ border-color:rgb(147, 224, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 224, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 224, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 224, 165);  
box-shadow:4px 4px 4px 4px rgb(147, 224,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 41.784, 148.963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 224, 165) }
```

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

```
.background{ background-color: rgb(147,  
224, 165) }
```

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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