

Converting Colors

CIELCh(83, 46.625, 146.020)

Have a look what the booklet for
CIELCh(83, 46.625, 146.020)
contains.

CIELCh(83, 46.727, 145.970)	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, 46.727, 145.970)

Conversions

Conversions Part 1

Format	Color
Hex	90E19C
RGB	144, 225, 156
RGB Percent	56%, 88%, 61%
CMY	0.4354, 0.1177, 0.3883
CMYK	0.36, 0.00, 0.31, 0.12
HSL	129°, 57%, 72%
HSV	129°, 36%, 88%
XYZ	44.4142, 62.1629, 41.0993
YIQ	192.9150, -26.1270, -38.6310

Conversions

Conversions Part 2

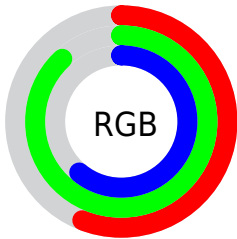
Format	Color
RYB	144, 215, 225
Decimal	9494940
CIELab	83.00, -38.72, 26.15
CIELCh	83, 46.727, 145.970
Yxy	62.1629, 0.3008, 0.4209
Android (android.graphics.Color)	4287685020 (0xFF90E19C)
YUV	192.9150, -18.1991, -42.8985
Hunter-Lab	78.8435, -37.4234, 24.2840

Details

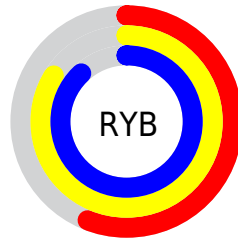
The CIELCh color $83, 46.727, 145.970$ is a light color, and the websafe version is hex $66CC99$. A complement of this color would be $70, 46.788, 330.994$, and the grayscale version is $78, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 29.943, 148.982$, and $63, 46.640, 145.801$ is the 20% darker color. If you saturate the color by 10%, you get $82, 59.145, 144.877$, and if you desaturate by 10%, it is $85, 33.868, 146.917$.

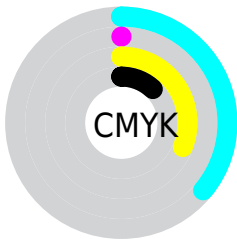
Distribution



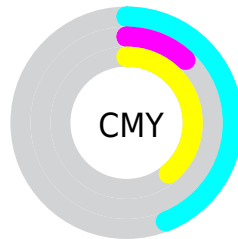
- Red (56%)
- Green (88%)
- Blue (61%)



- Red (56%)
- Yellow (84%)
- Blue (88%)



- Cyan (36%)
- Magenta (0%)
- Yellow (31%)
- Black (12%)





- Cyan (44%)
- Magenta (12%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 46.727, 145.970 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, 46.727, 145.970 by changing the saturation by 10% instead.


 83, 46.727,
145.970


 83, 46.727,
145.970


 100, 46.727,
145.970


 73, 46.727,
145.970

 63, 46.727,
145.970

 53, 46.727,
145.970

 43, 46.727,
145.970

 33, 46.727,
145.970

 23, 46.727,
145.970

 13, 46.727,

145.970

■ 3, 46.727, 145.970

■ 0, 46.727, 145.970

■ 83, 46.727,
145.970

■ 83, 46.727,
145.970

■ 82, 59.145,
144.877

■ 85, 33.868,
146.917

■ 81, 70.825,
143.632

■ 86, 20.812,
147.734

■ 80, 81.443,
142.247

■ 88, 7.761, 148.455


■ 79, 90.664,
140.764


■ 90, 5.136, 328.947


■ 93, 17.455,
328.142

■ 79, 98.160,

139.264

 93, 18.777,
325.077

 78, 103.659,
137.871

 78, 105.323,
137.418

Harmonies

Complementary

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



83, 46.727, 145.970



70, 46.788, 330.994

Rectangle

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



83, 46.727, 145.970



83, 46.727, 195.970



83, 46.727, 325.970



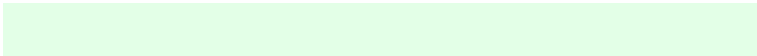
83, 46.727, 15.970

Sweetspot

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



83, 46.728, 145.970



97, 15.796, 148.097



87, 41.659, 112.638



52, 10.622, 147.999



0, 0.000, 0.000



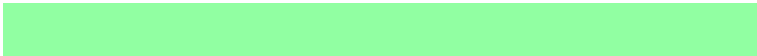
53, 0.007, 296.813

Same Dimension

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



83, 46.728, 145.970



92, 61.391, 145.188



84, 31.976, 167.840



46, 7.343, 148.213



63, 87.185, 137.640



16, 32.684, 142.093

Inverse Universe

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



70, 46.788, 330.994



75, 61.319, 331.459



69, 34.725, 355.550



44, 7.362, 329.321



40, 77.950, 335.134



7, 32.503, 333.840

Previews

White Background



This preview shows how the CIELCh color 83, 46.727, 145.970 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, 46.727, 145.970 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, 46.727, 145.970

Background



This preview shows how black text looks on a background with the CIELCh color 83, 46.727, 145.970.

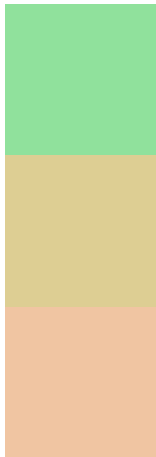


This preview shows how white text looks on a background with the CIELCh color 83, 46.727, 145.970.

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](#).

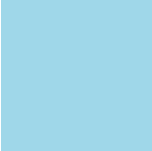
Dichromacy



Original Color
83, 46.727, 145.970

Protanopia
83, 31.467, 96.292

Deuteranopia
82, 25.532, 65.924

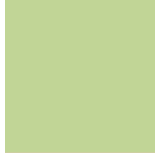


Tritanopia
83, 20.028, 226.905

Trichromacy



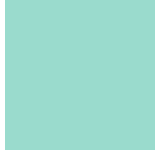
Original Color
83, 46.727, 145.970



Protanomaly
82, 33.742, 120.784



Deuteranomaly
82, 24.658, 109.812

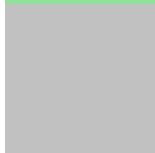


Tritanomaly
83, 23.460, 179.283

Monochromacy



Original Color
83, 46.727, 145.970



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 17.402, 148.442

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 46.727, 145.970 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(144, 225, 156)` looks like.

```
.text, #text, p{  
    color:rgb(144, 225, 156)  
}
```

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(144, 225, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 225, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 46.727, 145.970 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(144, 225, 156) }
```

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

```
.border{ border-color:rgb(144, 225, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 225, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 225, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 225, 156);  
box-shadow:4px 4px 4px 4px rgb(144, 225,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 46.727, 145.970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 225, 156) }
```

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

```
.background{ background-color: rgb(144,  
225, 156) }
```

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