

Converting Colors

CIELCh(84, 46.849, 140.160)

Have a look what the booklet for
CIELCh(84, 46.849, 140.160)
contains.

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Color

CIELCh(84, 46.784, 140.154)

Conversions

Conversions Part 1

Format	Color
Hex	9DE297
RGB	157, 226, 151
RGB Percent	62%, 89%, 59%
CMY	0.3828, 0.1121, 0.4064
CMYK	0.30, 0.00, 0.33, 0.11
HSL	115°, 57%, 74%
HSV	115°, 33%, 89%
XYZ	46.9029, 64.0658, 39.3322
YIQ	196.8190, -17.0490, -37.9530

Conversions

Conversions Part 2

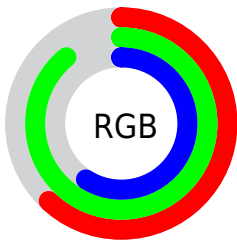
Format	Color
RYB	151, 226, 220
Decimal	10347159
CIELab	84.00, -35.92, 29.98
CIELCh	84, 46.784, 140.154
Yxy	64.0658, 0.3121, 0.4263
Android (android.graphics.Color)	4288537239 (0xFF9DE297)
YUV	196.8190, -22.5888, -34.9213
Hunter-Lab	80.0411, -35.4736, 26.8937

Details

The CIELCh color $84, 46.784, 140.154$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $72, 47.008, 323.899$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $96, 29.314, 139.475$, and $64, 46.790, 140.051$ is the 20% darker color. If you saturate the color by 10%, you get $83, 60.439, 139.313$, and if you desaturate by 10%, it is $86, 32.726, 140.906$.

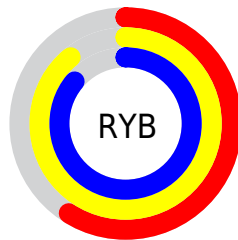
Distribution



Red (62%)

Green (89%)

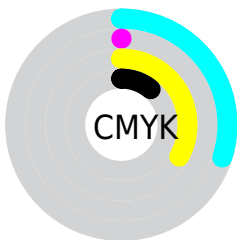
Blue (59%)



Red (59%)

Yellow (89%)

Blue (86%)

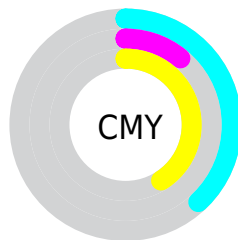


Cyan (30%)

Magenta (0%)

Yellow (33%)

Black (11%)



Cyan (38%)

Magenta (11%)

Yellow (41%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 46.784, 140.154 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 84, 46.784, 140.154 by changing the saturation by 10% instead.


 84, 46.784,
140.154

 84, 46.784,
140.154


 100, 46.784,
140.154


 74, 46.784,
140.154

 64, 46.784,
140.154

 54, 46.784,
140.154

 44, 46.784,
140.154

 34, 46.784,
140.154


 24, 46.784,
140.154


 14, 46.784,


140.154


 4, 46.784, 140.154


 0, 46.784, 140.154


 84, 46.784,
140.154


 84, 46.784,
140.154

 83, 60.439,
139.313


 86, 32.726,
140.906

 81, 73.335,
138.405


 87, 18.528,
141.565


 81, 85.021,
137.487

 89, 4.392, 142.171


 80, 94.945,
136.655


 92, 9.542, 322.562

 79, 102.506,

 93, 17.878,
325.045

136.045

 79, 107.244,
135.777

 79, 109.051,
135.730

Harmonies

Complementary

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



84, 46.784, 140.154



72, 47.008, 323.899

Rectangle

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



84, 46.784, 140.154



84, 46.784, 190.154



84, 46.784, 320.154



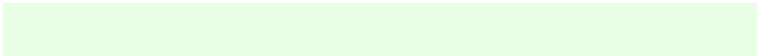
84, 46.784, 10.154

Sweetspot

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



84, 46.786, 140.154



98, 15.502, 141.751



87, 35.541, 103.116



52, 10.585, 141.666



0, 0.000, 0.000



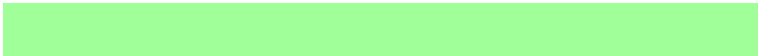
53, 0.007, 296.813

Same Dimension

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



84, 46.786, 140.154



92, 61.894, 139.563



84, 35.288, 156.430



46, 7.932, 141.789



63, 90.225, 135.652



16, 34.529, 138.034

Inverse Universe

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



72, 47.008, 323.899



76, 62.174, 324.223



71, 36.194, 342.262



44, 7.956, 322.721



39, 87.919, 325.122



7, 35.836, 325.534

Previews

White Background



This preview shows how the CIELCh color 84, 46.784, 140.154 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 84, 46.784, 140.154 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 84, 46.784, 140.154

Background



This preview shows how black text looks on a background with the CIELCh color 84, 46.784, 140.154.



This preview shows how white text looks on a background with the CIELCh color 84, 46.784, 140.154.

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](#).

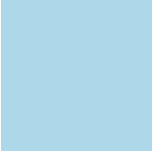
Dichromacy



Original Color
84, 46.784, 140.154

Protanopia
84, 34.194, 94.842

Deuteranopia
84, 29.616, 69.130



Tritanopia
84, 16.744, 231.148

Trichromacy



Original Color
84, 46.784, 140.154



Protanomaly
84, 35.682, 116.075



Deuteranomaly
83, 28.742, 104.475



Tritanomaly
84, 20.687, 172.218

Monochromacy



Original Color
84, 46.784, 140.154



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 17.569, 140.816

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 46.784, 140.154 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(157, 226, 151)` looks like.

```
.text, #text, p{  
    color:rgb(157, 226, 151)  
}
```

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(157, 226, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 226, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 46.784, 140.154 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(157, 226, 151) }
```

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

```
.border{ border-color:rgb(157, 226, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 226, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 226, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 226, 151);  
box-shadow:4px 4px 4px 4px rgb(157, 226,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 46.784, 140.154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 226, 151) }
```

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

```
.background{ background-color: rgb(157,  
226, 151) }
```

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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