

# Converting Colors

CIELCh(84, 47.377, 140.155)

Have a look what the booklet for  
CIELCh(84, 47.377, 140.155)  
contains.

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# Color

**CIELCh(84, 47.377, 140.155)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DE397
RGB	157, 227, 151
RGB Percent	62%, 89%, 59%
CMY	0.3858, 0.1114, 0.4093
CMYK	0.31, 0.00, 0.34, 0.11
HSL	115°, 57%, 74%
HSV	115°, 34%, 89%
XYZ	46.7407, 64.0658, 39.0188
YIQ	197.4060, -17.3240, -38.4760

# Conversions

## Conversions Part 2

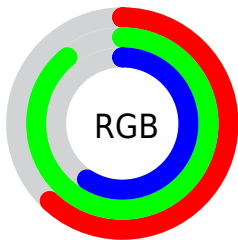
<b>Format</b>	<b>Color</b>
<b>RYB</b>	151, 227, 221
Decimal	10347415
CIELab	84.00, -36.38, 30.36
CIELCh	84, 47.377, 140.155
Yxy	64.0658, 0.3120, 0.4276
Android (android.graphics.Color)	4288537495 (0xFF9DE397)
YUV	197.4060, -22.8782, -35.4361
Hunter-Lab	80.0411, -35.8352, 27.1258

# Details

The CIELCh color  $84, 47.377, 140.155$  is a light color, and the websafe version is hex  $99CC99$ . A complement of this color would be  $71, 47.599, 323.956$ , 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  $64, 47.392, 140.036$  is the 20% darker color. If you saturate the color by 10%, you get  $83, 61.024, 139.308$ , and if you desaturate by 10%, it is  $86, 33.314, 140.913$ .

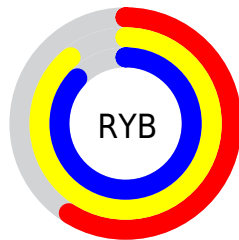
# Distribution



Red (62%)

Green (89%)

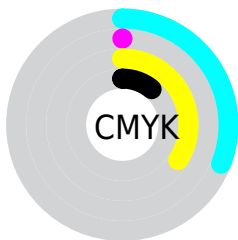
Blue (59%)



Red (59%)

Yellow (89%)

Blue (87%)

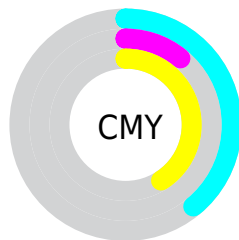


Cyan (31%)

Magenta (0%)

Yellow (34%)

Black (11%)



Cyan (39%)

Magenta (11%)


Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 47.377, 140.155 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, 47.377, 140.155 by changing the saturation by 10% instead.





 84, 47.377,  
140.155


 84, 47.377,  
140.155


 100, 47.377,  
140.155


 74, 47.377,  
140.155

 64, 47.377,  
140.155

 54, 47.377,  
140.155

 44, 47.377,  
140.155

 34, 47.377,  
140.155


 24, 47.377,  
140.155

 14, 47.377,


140.155


 4, 47.377, 140.155


 0, 47.377, 140.155


 84, 47.377,  
140.155


 84, 47.377,  
140.155

 83, 61.024,  
139.308


 86, 33.314,  
140.913

 81, 73.892,  
138.396


 87, 19.102,  
141.576

 81, 85.528,  
137.475

 89, 4.945, 142.181


 80, 95.376,  
136.646


 92, 9.014, 322.580

 93, 17.759,  
325.040

 79, 102.833,

136.042

 79, 107.452,  
135.784

 79, 109.129,  
135.737

# Harmonies

# Complementary

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



84, 47.377, 140.155



71, 47.599, 323.956

# Rectangle

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



84, 47.377, 140.155



84, 47.377, 190.155



84, 47.377, 320.155



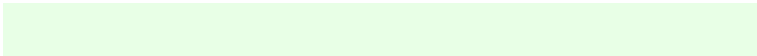
84, 47.377, 10.155

# Sweetspot

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



84, 47.379, 140.155



98, 15.509, 141.787



87, 35.975, 103.075



52, 10.590, 141.702



0, 0.000, 0.000



53, 0.007, 296.813



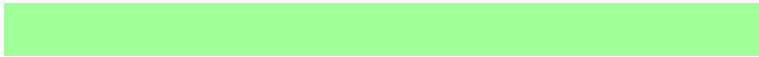


# Same Dimension

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



84, 47.379, 140.155



92, 61.919, 139.594



84, 35.716, 156.387



46, 7.936, 141.824



63, 90.234, 135.659



16, 34.541, 138.057



# Inverse Universe

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



71, 47.599, 323.956



76, 62.192, 324.262



71, 36.641, 342.302



44, 7.959, 322.758



39, 87.909, 325.172



7, 35.839, 325.579



# Previews

## White Background



This preview shows how the CIELCh color 84, 47.377, 140.155 looks on a white background.

## Color Contrast Check

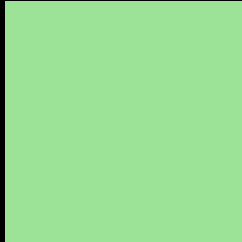
Large Text (above 18pt) WCAG AA × Fail

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, 47.377, 140.155 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, 47.377, 140.155

## Background



This preview shows how black text looks on a background with the CIELCh color 84, 47.377, 140.155.



This preview shows how white text looks on a background with the CIELCh color 84, 47.377, 140.155.

# 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, 47.377, 140.155

**Protanopia**  
84, 34.694, 94.962

**Deuteranopia**  
84, 30.043, 69.676



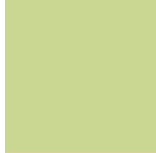


**Tritanopia**  
84, 17.238, 232.195

# Trichromacy



**Original Color**  
84, 47.377, 140.155



**Protanomaly**  
83, 36.181, 115.918



**Deuteranomaly**  
83, 29.237, 105.262

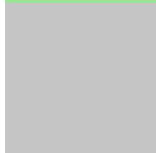


**Tritanomaly**  
84, 20.716, 173.853

# Monochromacy



**Original Color**  
84, 47.377, 140.155



**Achromatopsia**  
80, 0.010, 296.813



**Achromatomaly**  
81, 17.772, 141.782

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 84, 47.377, 140.155 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, 227, 151)` looks like.

```
.text, #text, p{  
    color:rgb(157, 227, 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, 227, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 227, 151) }
```

## Border

The CSS property to change the border of an element to CIELCh 84, 47.377, 140.155 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, 227, 151) }
```

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

```
.border{ border-color:rgb(157, 227, 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, 227, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 227, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 227, 151); box-shadow:4px 4px 4px 4px rgb(157, 227, 151) }
```

# Background

The CSS property to change the background color of an element to CIELCh 84, 47.377, 140.155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 227, 151) }
```

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

```
.background{ background-color: rgb(157,  
227, 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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