

Converting Colors

CIELCh(87, 60.423, 140.660)

Have a look what the booklet for
CIELCh(87, 60.423, 140.660)
contains.

CIELCh(87, 60.461, 140.645)	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(87, 60.461, 140.645)

Conversions

Conversions Part 1

Format	Color
Hex	91EF8E
RGB	145, 239, 142
RGB Percent	57%, 94%, 56%
CMY	0.4297, 0.0610, 0.4416
CMYK	0.39, 0.00, 0.41, 0.06
HSL	118°, 76%, 75%
HSV	118°, 41%, 94%
XYZ	47.6547, 70.0064, 36.7471
YIQ	199.8360, -24.8870, -50.0950

Conversions

Conversions Part 2

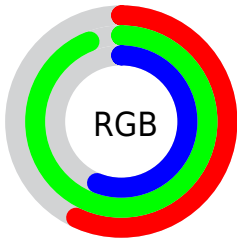
Format	Color
RYB	142, 239, 236
Decimal	9564046
CIELab	87.00, -46.75, 38.34
CIElCh	87, 60.461, 140.645
Yxy	70.0064, 0.3086, 0.4534
Android (android.graphics.Color)	4287754126 (0xFF91EF8E)
YUV	199.8360, -28.5131, -48.0912
Hunter-Lab	83.6698, -44.7563, 32.5292

Details

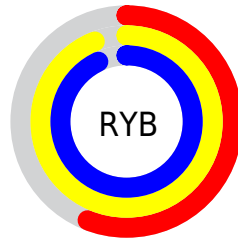
The CIELCh color **87, 60.461, 140.645** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **72, 60.474, 325.697**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 35.355, 140.765**, and **67, 60.275, 140.556** is the 20% darker color. If you saturate the color by 10%, you get **86, 74.310, 139.645**, and if you desaturate by 10%, it is **89, 45.854, 141.548**.

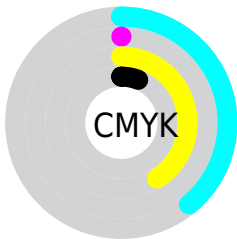
Distribution



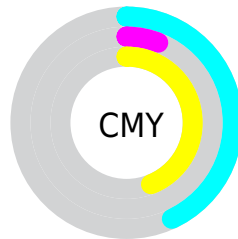
- Red (57%)
- Green (94%)
- Blue (56%)



- Red (56%)
- Yellow (94%)
- Blue (93%)



- Cyan (39%)
- Magenta (0%)
- Yellow (41%)
- Black (6%)



- Cyan (43%)
- Magenta (6%)
- Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 60.461, 140.645 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 87, 60.461, 140.645 by changing the saturation by 10% instead.


 87, 60.461,
140.645


 87, 60.461,
140.645


 100, 60.461,
140.645

 77, 60.461,
140.645

 67, 60.461,
140.645

 57, 60.461,
140.645

 47, 60.461,
140.645

 37, 60.461,
140.645


 27, 60.461,
140.645

 17, 60.461,

140.645

 7, 60.461, 140.645


 0, 60.461, 140.645


 87, 60.461,
140.645


 87, 60.461,
140.645


 86, 74.310,
139.645


 89, 45.854,
141.548

 85, 86.926,
138.592

 90, 30.858,
142.339


 84, 97.739,
137.571

 92, 15.761,
143.025


 83, 106.119,
136.715

 94, 0.775, 143.953

 96, 9.706, 324.747

 83, 111.540,

136.165

 83, 114.054,
135.923

Harmonies

Complementary

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



87, 60.461, 140.645



72, 60.474, 325.697

Rectangle

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



87, 60.461, 140.645



87, 60.461, 190.645



87, 60.461, 320.645



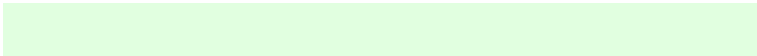
87, 60.461, 10.645

Sweetspot

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



87, 60.462, 140.645



97, 18.923, 142.927



92, 47.347, 104.765



52, 12.561, 142.841



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 60.462, 140.645



91, 76.026, 139.786



88, 43.040, 157.916



49, 8.508, 143.092



65, 93.420, 135.886



19, 39.410, 137.313

Inverse Universe

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



72, 60.474, 325.697



72, 75.853, 326.081



71, 44.777, 345.806



47, 8.525, 324.093



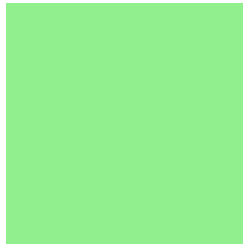
43, 90.429, 327.007



10, 39.467, 327.176

Previews

White Background



This preview shows how the CIE LCh color 87, 60.461, 140.645 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 87, 60.461, 140.645 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 87, 60.461, 140.645

Background



This preview shows how black text looks on a background with the CIELCh color 87, 60.461, 140.645.

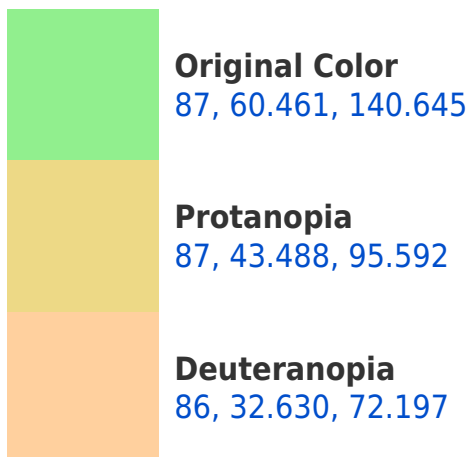


This preview shows how white text looks on a background with the CIELCh color 87, 60.461, 140.645.

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



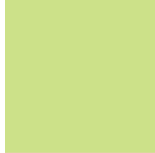


Tritanopia
87, 21.464, 224.495

Trichromacy



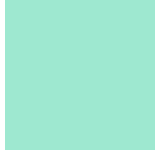
Original Color
87, 60.461, 140.645



Protanomaly
86, 45.692, 116.975



Deuteranomaly
86, 34.631, 109.848

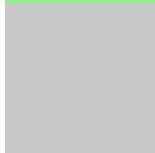


Tritanomaly
87, 28.322, 171.097

Monochromacy



Original Color
87, 60.461, 140.645



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 22.436, 142.710

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 60.461, 140.645 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(145, 239, 142)` looks like.

```
.text, #text, p{  
    color:rgb(145, 239, 142)  
}
```

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(145, 239, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 239, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 60.461, 140.645 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(145, 239, 142) }
```

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

```
.border{ border-color:rgb(145, 239, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 239, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 239, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 239, 142);  
box-shadow:4px 4px 4px 4px rgb(145, 239,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 60.461, 140.645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 239, 142) }
```

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

```
.background{ background-color: rgb(145,  
239, 142) }
```

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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