

Converting Colors

CIELCh(84, 62.641, 137.366)

Have a look what the booklet for
CIELCh(84, 62.641, 137.366)
contains.

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Color

CIELCh(84, 62.603, 137.380)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 8EE67E |
| RGB | 142, 230, 126 |
| RGB Percent | 56%, 90%, 49% |
| CMY | 0.4419, 0.0968, 0.5047 |
| CMYK | 0.38, 0.00, 0.45, 0.10 |
| HSL | 111°, 68%, 70% |
| HSV | 111°, 45%, 90% |
| XYZ | 43.3811, 64.0658, 29.9180 |
| YIQ | 191.8320, -19.0640, -51.0000 |

Conversions

Conversions Part 2

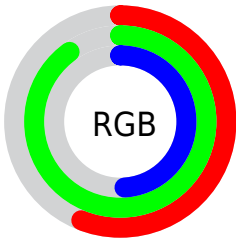
| Format | Color |
|-------------------------------------|--|
| RYB | 126, 230, 214 |
| Decimal | 9365118 |
| CIELab | 84.00, -46.07, 42.39 |
| CIElCh | 84, 62.603, 137.380 |
| Yxy | 64.0658, 0.3158, 0.4664 |
| Android (android.graphics.Color) | 4287555198 (0xFF8EE67E) |
| YUV | 191.8320, -32.4552, -43.7027 |
| Hunter-Lab | 80.0411, -43.3276, 33.8671 |

Details

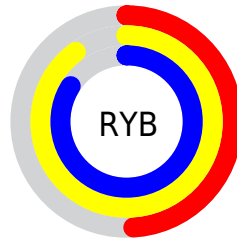
The CIELCh color **84, 62.603, 137.380** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **66, 63.389, 322.182**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 43.355, 135.715**, and **64, 62.892, 137.269** is the 20% darker color. If you saturate the color by 10%, you get **83, 75.308, 136.616**, and if you desaturate by 10%, it is **85, 49.137, 138.121**.

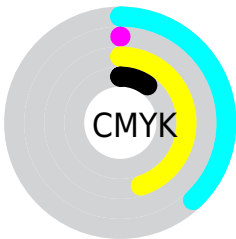
Distribution



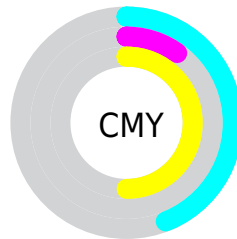
- Red (56%)
- Green (90%)
- Blue (49%)



- Red (49%)
- Yellow (90%)
- Blue (84%)



- Cyan (38%)
- Magenta (0%)
- Yellow (45%)
- Black (10%)



- Cyan (44%)
- Magenta (10%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 62.603, 137.380 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, 62.603, 137.380 by changing the saturation by 10% instead.


 84, 62.603,
137.380

 84, 62.603,
137.380


 100, 62.603,
137.380


 74, 62.603,
137.380

 64, 62.603,
137.380

 54, 62.603,
137.380

 44, 62.603,
137.380

 34, 62.603,
137.380

 24, 62.603,
137.380


 14, 62.603,


137.380


 4, 62.603, 137.380


 0, 62.603, 137.380


 84, 62.603,
137.380


 84, 62.603,
137.380

 83, 75.308,
136.616


 85, 49.137,
138.121

 82, 86.795,
135.895


 87, 35.250,
138.801

 81, 96.504,
135.325

 89, 21.201,
139.410

 81, 103.828,
135.039

 90, 7.178, 139.960

 80, 108.350,

 92, 6.684, 320.343

135.136

94, 15.415,
324.957

80, 109.743,
135.242

Harmonies

Complementary

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



84, 62.603, 137.380



66, 63.389, 322.182

Rectangle

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



84, 62.603, 137.380



84, 62.603, 187.380



84, 62.603, 317.380



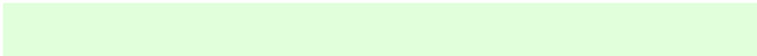
84, 62.603, 7.380

Sweetspot

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



84, 62.604, 137.381



97, 21.245, 139.472



85, 45.197, 97.125



51, 14.679, 139.347



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, 62.604, 137.381



91, 80.190, 136.682



84, 51.497, 151.441



47, 7.894, 139.727



64, 90.537, 135.117



18, 35.439, 136.174

Inverse Universe

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



66, 63.389, 322.182



68, 81.165, 322.494



66, 52.248, 339.325



45, 7.929, 320.586



38, 89.550, 322.365



7, 37.194, 323.120

Previews

White Background



This preview shows how the CIELCh color 84, 62.603, 137.380 looks on a white background.

Color Contrast Check

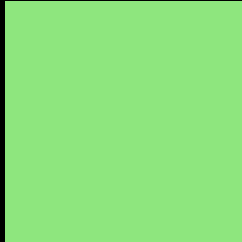
Large Text (above 18pt) WCAG AA × Fail

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, 62.603, 137.380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

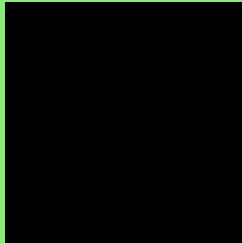
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 62.603, 137.380

Background



This preview shows how black text looks on a background with the CIELCh color 84, 62.603, 137.380.



This preview shows how white text looks on a background with the CIELCh color 84, 62.603, 137.380.

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, 62.603, 137.380

Protanopia
83, 47.248, 95.307

Deuteranopia
83, 40.884, 74.973



Tritanopia
84, 19.820, 225.409

Trichromacy



Original Color
84, 62.603, 137.380



Protanomaly
83, 49.161, 115.020



Deuteranomaly
83, 40.857, 105.988



Tritanomaly
84, 27.511, 166.279

Monochromacy



Original Color
84, 62.603, 137.380



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 23.548, 139.116

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 62.603, 137.380 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(142, 230, 126)` looks like.

```
.text, #text, p{  
    color:rgb(142, 230, 126)  
}
```

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(142, 230, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 230, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 62.603, 137.380 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(142, 230, 126) }
```

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

```
.border{ border-color:rgb(142, 230, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 230, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 230, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 230, 126);  
box-shadow:4px 4px 4px 4px rgb(142, 230,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 62.603, 137.380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 230, 126) }
```

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

```
.background{ background-color: rgb(142,  
230, 126) }
```

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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