

Converting Colors

CIELCh(84, 97.126, 137.722)

Have a look what the booklet for
CIELCh(84, 97.126, 137.722)
contains.

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Color

CIELCh(84, 97.433, 137.641)

Conversions

Conversions Part 1

Format	Color
Hex	4CF048
RGB	76, 240, 72
RGB Percent	30%, 94%, 28%
CMY	0.7004, 0.0606, 0.7194
CMYK	0.68, 0.00, 0.70, 0.06
HSL	118°, 84%, 61%
HSV	118°, 70%, 94%
XYZ	35.1923, 64.0658, 16.5641
YIQ	171.8120, -43.8160, -87.0160

Conversions

Conversions Part 2

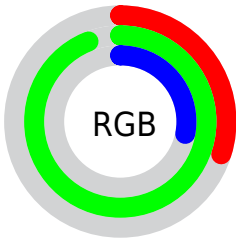
Format	Color
RYB	72, 240, 236
Decimal	5042248
CIELab	84.00, -72.00, 65.65
CIELCh	84, 97.433, 137.641
Yxy	64.0658, 0.3038, 0.5531
Android (android.graphics.Color)	4283232328 (0xFF4CF048)
YUV	171.8120, -49.2073, -84.0271
Hunter-Lab	80.0411, -61.5893, 43.7590

Details

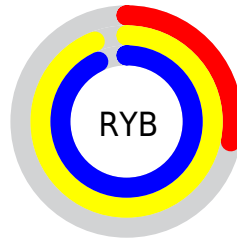
The CIELCh color **84, 97.433, 137.641** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark washed green. A complement of this color would be **60, 95.994, 326.853**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 74.534, 137.670**, and **65, 92.981, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **83, 105.915, 136.768**, and if you desaturate by 10%, it is **85, 86.537, 138.673**.

Distribution



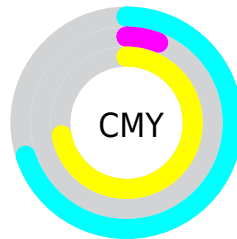
- Red (30%)
- Green (94%)
- Blue (28%)



- Red (28%)
- Yellow (94%)
- Blue (93%)



- Cyan (68%)
- Magenta (0%)
- Yellow (70%)
- Black (6%)





- Cyan (70%)
- Magenta (6%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 97.433, 137.641 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, 97.433, 137.641 by changing the saturation by 10% instead.


 84, 97.433,
137.641


 84, 97.433,
137.641


 100, 97.433,
137.641


 74, 97.433,
137.641

 64, 97.433,
137.641

 54, 97.433,
137.641

 44, 97.433,
137.641

 34, 97.433,
137.641

 24, 97.433,
137.641

 14, 97.433,

137.641

■ 4, 97.433, 137.641

■ 0, 97.433, 137.641

■ 84, 97.433,
137.641

■ 84, 97.433,
137.641

■ 83, 105.915,
136.768

■ 85, 86.537,
138.673

■ 83, 111.449,
136.194

■ 86, 73.857,
139.733


■ 83, 114.106,
135.930

■ 87, 59.960,
140.734

■ 89, 45.315,
141.636

■ 90, 30.294,

142.426

 92, 15.181,
143.111

 95, 0.186, 145.215

 96, 9.634, 324.745

Harmonies

Complementary

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



84, 97.433, 137.641



60, 95.994, 326.853

Rectangle

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



84, 97.433, 137.641



84, 97.433, 187.641



84, 97.433, 317.641



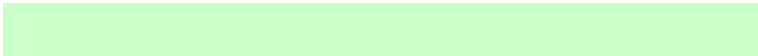
84, 97.433, 7.641

Sweetspot

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



84, 97.433, 137.642



95, 33.250, 142.357



91, 76.748, 102.172



50, 22.510, 142.146



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, 97.433, 137.642



88, 113.853, 136.486



85, 69.785, 153.413



49, 8.515, 143.152



65, 93.432, 135.896



19, 39.430, 137.349

Inverse Universe

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



60, 95.994, 326.853



61, 110.955, 327.077



58, 71.785, 350.547



47, 8.531, 324.156



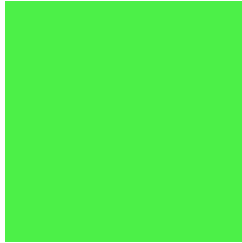
43, 90.418, 327.097



10, 39.462, 327.254

Previews

White Background



This preview shows how the CIELCh color 84, 97.433, 137.641 looks on a white background.

Color Contrast Check

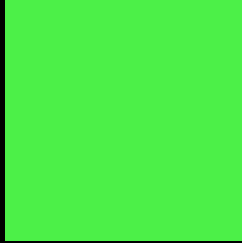
Large Text (above 18pt) WCAG AA × Fail

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, 97.433, 137.641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

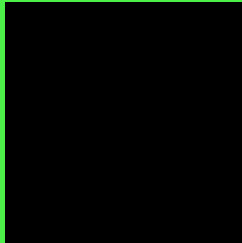
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

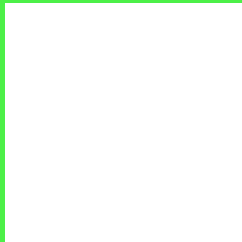
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 97.433, 137.641

Background



This preview shows how black text looks on a background with the CIELCh color 84, 97.433, 137.641.

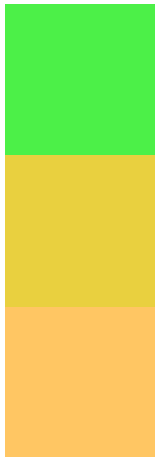


This preview shows how white text looks on a background with the CIELCh color 84, 97.433, 137.641.

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, 97.546, 137.724

Protanopia
83, 71.051, 95.148

Deuteranopia
83, 57.241, 80.018



Tritanopia
84, 31.246, 215.397

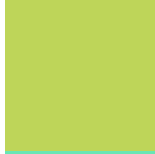
Trichromacy



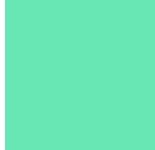
Original Color
84, 97.546, 137.724



Protanomaly
82, 75.495, 117.582



Deuteranomaly
81, 62.603, 113.587



Tritanomaly
83, 48.699, 163.424

Monochromacy



Original Color
84, 97.546, 137.724



Achromatopsia
70, 0.009, 296.813



Achromatomaly
74, 40.323, 141.473

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 97.433, 137.641 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(76, 240, 72)` looks like.

```
.text, #text, p{  
    color:rgb(76, 240, 72)  
}
```

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(76, 240, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 240, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 97.433, 137.641 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(76, 240, 72) }
```

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

```
.border{ border-color:rgb(76, 240, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 240, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 240, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 240, 72);  
box-shadow:4px 4px 4px 4px rgb(76, 240,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 97.433, 137.641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 240, 72) }
```

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

```
.background{ background-color: rgb(76, 240,  
72) }
```

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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