

Converting Colors

CIELCh(84, 87.428, 142.446)

Have a look what the booklet for
CIELCh(84, 87.428, 142.446)
contains.

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Color

CIELCh(84, 87.423, 142.466)

Conversions

Conversions Part 1

Format	Color
Hex	49EF66
RGB	73, 239, 102
RGB Percent	29%, 94%, 40%
CMY	0.7141, 0.0630, 0.6002
CMYK	0.69, 0.00, 0.57, 0.06
HSL	130°, 84%, 61%
HSV	130°, 69%, 94%
XYZ	35.9837, 64.0658, 23.0242
YIQ	173.7480, -54.9590, -77.7990

Conversions

Conversions Part 2

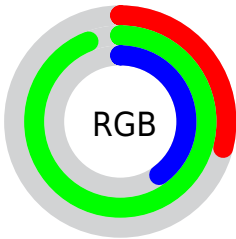
Format	Color
RYB	73, 214, 239
Decimal	4845414
CIELab	84.00, -69.33, 53.26
CIELCh	84, 87.423, 142.466
Yxy	64.0658, 0.2924, 0.5205
Android (android.graphics.Color)	4283035494 (0xFF49EF66)
YUV	173.7480, -35.3718, -88.3560
Hunter-Lab	80.0411, -59.8246, 38.9737

Details

The CIELCh color **84, 87.423, 142.466** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted spring green. A complement of this color would be **60, 84.778, 334.279**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 64.456, 144.490**, and **65, 84.297, 140.124** is the 20% darker color. If you saturate the color by 10%, you get **83, 96.444, 140.896**, and if you desaturate by 10%, it is **85, 76.902, 143.938**.

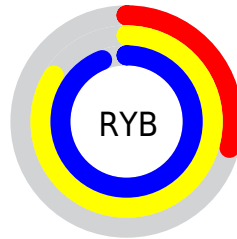
Distribution



Red (29%)

Green (94%)

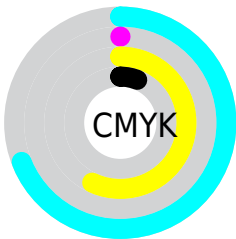
Blue (40%)



Red (29%)

Yellow (84%)

Blue (94%)

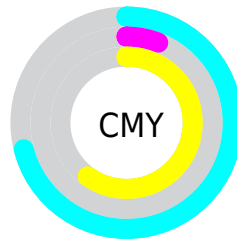


Cyan (69%)

Magenta (0%)

Yellow (57%)

Black (6%)



Cyan (71%)

Magenta (6%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 87.423, 142.466 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, 87.423, 142.466 by changing the saturation by 10% instead.

 84, 87.423,
142.466

 84, 87.423,
142.466

 100, 87.423,
142.466

 74, 87.423,
142.466

 64, 87.423,
142.466

 54, 87.423,
142.466

 44, 87.423,
142.466

 34, 87.423,
142.466

 24, 87.423,
142.466

 14, 87.423,

142.466

■ 4, 87.423, 142.466

■ 0, 87.423, 142.466

■ 84, 87.423,
142.466

■ 84, 87.423,
142.466

■ 83, 96.444,
140.896

■ 85, 76.902,
143.938

■ 83, 103.675,
139.313

■ 86, 65.199,
145.265

■ 83, 108.943,
137.878


■ 87, 52.638,
146.433

■ 83, 109.169,
137.816


■ 89, 39.525,
147.446

■ 90, 26.125,

148.321

 92, 12.662,
149.081

 95, 0.694, 329.199

 96, 10.015,
324.759

Harmonies

Complementary

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



84, 87.423, 142.466



60, 84.778, 334.279

Rectangle

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



84, 87.423, 142.466



84, 87.423, 192.466



84, 87.423, 322.466



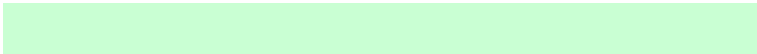
84, 87.423, 12.466

Sweetspot

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



84, 87.423, 142.466



95, 29.692, 148.190



90, 78.974, 112.267



50, 20.101, 147.955



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, 87.423, 142.466



88, 104.441, 140.289



85, 57.010, 165.144



49, 7.606, 149.082



65, 89.067, 138.068



19, 36.274, 141.139

Inverse Universe

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



60, 84.778, 334.279



60, 97.577, 335.341



57, 67.176, 5.292



47, 7.627, 330.219



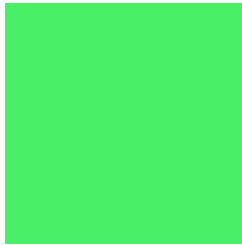
42, 78.800, 336.659



9, 35.043, 335.291

Previews

White Background



This preview shows how the CIELCh color 84, 87.423, 142.466 looks on a white background.

Color Contrast Check

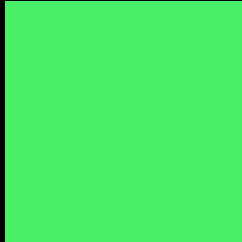
Large Text (above 18pt) WCAG AA × Fail

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, 87.423, 142.466 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

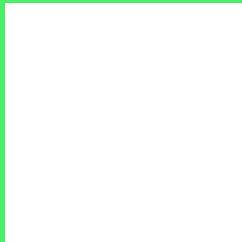
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 87.423, 142.466

Background



This preview shows how black text looks on a background with the CIELCh color 84, 87.423, 142.466.

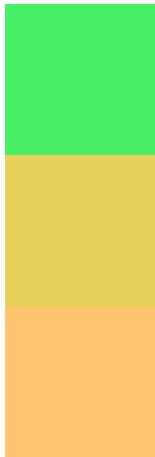


This preview shows how white text looks on a background with the CIELCh color 84, 87.423, 142.466.

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](#).

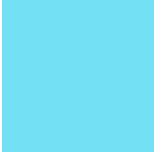
Dichromacy



Original Color
84, 87.423, 142.466

Protanopia
83, 59.385, 95.419

Deuteranopia
83, 50.854, 78.066



Tritanopia
84, 32.116, 215.863

Trichromacy



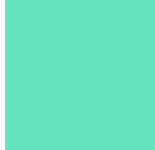
Original Color
84, 87.423, 142.466



Protanomaly
82, 64.189, 121.454



Deuteranomaly
82, 53.911, 116.504



Tritanomaly
83, 45.014, 170.586

Monochromacy



Original Color
84, 87.423, 142.466



Achromatopsia
71, 0.009, 296.813



Achromatomaly
75, 35.302, 147.532

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 87.423, 142.466 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(73, 239, 102)` looks like.

```
.text, #text, p{  
    color:rgb(73, 239, 102)  
}
```

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(73, 239, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 239, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 87.423, 142.466 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(73, 239, 102) }
```

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

```
.border{ border-color:rgb(73, 239, 102) }
```

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

Here you see how a box with a 4 pixel rgb(73, 239, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 239, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 239, 102);  
box-shadow:4px 4px 4px 4px rgb(73, 239,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 87.423, 142.466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 239, 102) }
```

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

```
.background{ background-color: rgb(73, 239,  
102) }
```

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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