

Converting Colors

CIELCh(84, 87.915, 147.509)

Have a look what the booklet for
CIELCh(84, 87.915, 147.509)
contains.

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Color

CIELCh(84, 87.930, 147.525)

Conversions

Conversions Part 1

Format	Color
Hex	06F173
RGB	6, 241, 115
RGB Percent	2%, 95%, 45%
CMY	0.9772, 0.0557, 0.5497
CMYK	0.98, 0.00, 0.52, 0.06
HSL	148°, 95%, 48%
HSV	148°, 98%, 94%
XYZ	34.5543, 64.0658, 26.7115
YIQ	156.3710, -99.6140, -89.0060

Conversions

Conversions Part 2

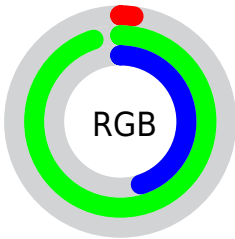
Format	Color
RYB	6, 167, 241
Decimal	455027
CIELab	84.00, -74.18, 47.21
CIELCh	84, 87.930, 147.525
Yxy	64.0658, 0.2757, 0.5112
Android (android.graphics.Color)	4278645107 (0xFF06F173)
YUV	156.3710, -20.3959, -131.8754
Hunter-Lab	80.0411, -63.0123, 36.2424

Details

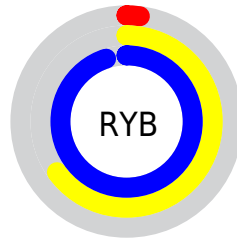
The CIELCh color **84, 87.930, 147.525** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **52, 81.449, 358.415**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 64.439, 152.483**, and **65, 79.959, 142.598** is the 20% darker color. If you saturate the color by 10%, you get **84, 89.191, 146.993**, and if you desaturate by 10%, it is **84, 82.351, 149.774**.

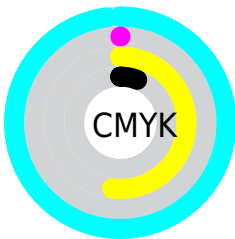
Distribution



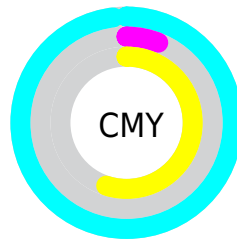
- Red (2%)
- Green (95%)
- Blue (45%)



- Red (2%)
- Yellow (65%)
- Blue (95%)



- Cyan (98%)
- Magenta (0%)
- Yellow (52%)
- Black (6%)



- Cyan (98%)
- Magenta (6%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 87.930, 147.525 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, 87.930, 147.525 by changing the saturation by 10% instead.


 84, 87.930,
147.525

 84, 87.930,
147.525


 100, 87.930,
147.525


 74, 87.930,
147.525

 64, 87.930,
147.525

 54, 87.930,
147.525

 44, 87.930,
147.525

 34, 87.930,
147.525

 24, 87.930,
147.525

 14, 87.930,

147.525

■ 4, 87.930, 147.525

■ 0, 87.930, 147.525

■ 84, 87.930,
147.525

■ 84, 87.930,
147.525

■ 84, 89.191,
146.993

■ 84, 82.351,
149.774

■ 85, 75.803,
151.858

■ 85, 68.235,
153.734

■ 86, 59.706,
155.395

■ 87, 50.349,

156.856

■ 89, 40.337,
158.140

■ 90, 29.863,
159.271

■ 92, 19.109,
160.277

■ 94, 8.236, 161.197

Harmonies

Complementary

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



84, 87.930, 147.525



52, 81.449, 358.415

Rectangle

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



84, 87.930, 147.525



84, 87.930, 197.525



84, 87.930, 327.525



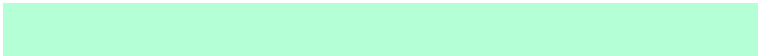
84, 87.930, 17.525

Sweetspot

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



84, 87.930, 147.525



94, 32.852, 159.110



86, 102.230, 126.283



50, 22.466, 158.634



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, 87.930, 147.525



88, 93.294, 146.918



86, 49.882, 189.051



49, 6.148, 161.026



66, 72.130, 147.415



20, 29.158, 151.168

Inverse Universe

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



52, 81.449, 358.415



55, 85.207, 359.467



50, 96.901, 37.945



47, 6.216, 342.484



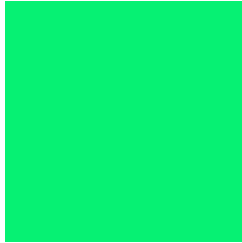
40, 66.737, 358.595



8, 29.817, 352.836

Previews

White Background



This preview shows how the CIE LCh color 84, 87.930, 147.525 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, 87.930, 147.525 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, 87.930, 147.525

Background



This preview shows how black text looks on a background with the CIELCh color 84, 87.930, 147.525.

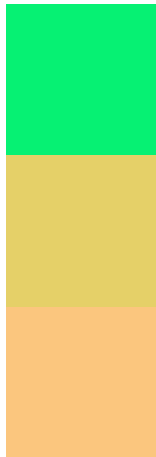


This preview shows how white text looks on a background with the CIELCh color 84, 87.930, 147.525.

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

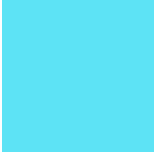
84, 87.952, 147.538

Protanopia

83, 53.836, 95.923

Deuteranopia

83, 44.322, 76.449



Tritanopia
84, 36.804, 212.282

Trichromacy



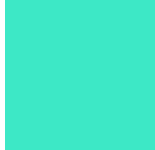
Original Color
84, 87.952, 147.538



Protanomaly
81, 63.512, 131.445



Deuteranomaly
80, 51.734, 129.318



Tritanomaly
83, 50.605, 175.172

Monochromacy



Original Color
84, 87.952, 147.538



Achromatopsia
64, 0.008, 296.813



Achromatomaly
70, 39.732, 157.227

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 87.930, 147.525 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(6, 241, 115)` looks like.

```
.text, #text, p{  
    color:rgb(6, 241, 115)  
}
```

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(6, 241, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 241, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 87.930, 147.525 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(6, 241, 115) }
```

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

```
.border{ border-color:rgb(6, 241, 115) }
```

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

Here you see how a box with a 4 pixel rgb(6, 241, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 241, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 241, 115);  
box-shadow:4px 4px 4px 4px rgb(6, 241,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 87.930, 147.525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 241, 115) }
```

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

```
.background{ background-color: rgb(6, 241,  
115) }
```

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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