

Converting Colors

CIELCh(87, 97.100, 141.799)

Have a look what the booklet for
CIELCh(87, 97.100, 141.799)
contains.

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Color

CIELCh(87, 97.079, 141.809)

Conversions

Conversions Part 1

Format	Color
Hex	37FA5E
RGB	55, 250, 94
RGB Percent	22%, 98%, 37%
CMY	0.7842, 0.0195, 0.6313
CMYK	0.78, 0.00, 0.62, 0.02
HSL	132°, 95%, 60%
HSV	132°, 78%, 98%
XYZ	37.7910, 70.0064, 22.1152
YIQ	173.9110, -66.1440, -89.8560

Conversions

Conversions Part 2

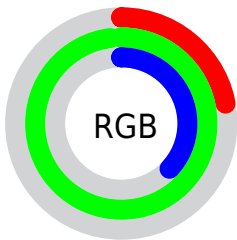
Format	Color
RYB	55, 218, 250
Decimal	3668574
CIELab	87.00, -76.30, 60.02
CIELCh	87, 97.079, 141.809
Yxy	70.0064, 0.2909, 0.5389
Android (android.graphics.Color)	4281858654 (0xFF37FA5E)
YUV	173.9110, -39.3961, -104.2849
Hunter-Lab	83.6698, -65.7994, 42.8977

Details

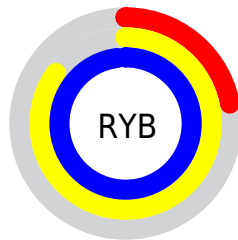
The CIELCh color **87, 97.079, 141.809** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **60, 92.082, 336.130**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 68.888, 144.271**, and **68, 91.878, 138.161** is the 20% darker color. If you saturate the color by 10%, you get **87, 104.893, 140.137**, and if you desaturate by 10%, it is **88, 87.562, 143.425**.

Distribution



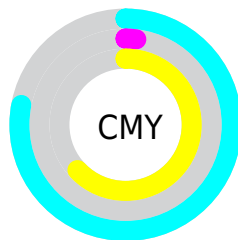
- Red (22%)
- Green (98%)
- Blue (37%)



- Red (22%)
- Yellow (85%)
- Blue (98%)



- Cyan (78%)
- Magenta (0%)
- Yellow (62%)
- Black (2%)





- Cyan (78%)
- Magenta (2%)
- Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 97.079, 141.809 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, 97.079, 141.809 by changing the saturation by 10% instead.

 87, 97.079,
141.809

 87, 97.079,
141.809


 100, 97.079,
141.809

 77, 97.079,
141.809

 67, 97.079,
141.809

 57, 97.079,
141.809

 47, 97.079,
141.809

 37, 97.079,
141.809


 27, 97.079,
141.809


 17, 97.079,


141.809

 7, 97.079, 141.809


 0, 97.079, 141.809


 87, 97.079,
141.809


 87, 97.079,
141.809

 87, 104.893,
140.137


 88, 87.562,
143.425

 86, 110.813,
138.534

 89, 76.612,
144.913

 86, 111.801,
138.256


 90, 64.533,
146.242

 91, 51.640,
147.404

 93, 38.229,

148.410

 94, 24.562,
149.280

 96, 10.855,
150.041

 99, 2.712, 330.201

 99, 3.097, 324.450

Harmonies

Complementary

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



87, 97.079, 141.809



60, 92.082, 336.130

Rectangle

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



87, 97.079, 141.809



87, 97.079, 191.809



87, 97.079, 321.809



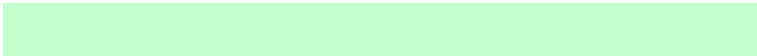
87, 97.079, 11.809

Sweetspot

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



87, 97.079, 141.809



95, 31.935, 148.858



93, 88.728, 112.982



50, 22.099, 148.535



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, 97.079, 141.809



88, 110.372, 139.136



88, 62.747, 164.748



51, 7.729, 149.931



67, 89.888, 138.538



22, 38.262, 141.150

Inverse Universe

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



60, 92.082, 336.130



58, 98.473, 337.718



56, 75.686, 9.767



49, 7.753, 331.094



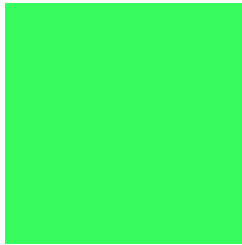
43, 78.900, 338.172



11, 36.380, 336.674

Previews

White Background



This preview shows how the CIE LCh color 87, 97.079, 141.809 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, 97.079, 141.809 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, 97.079, 141.809

Background



This preview shows how black text looks on a background with the CIELCh color 87, 97.079, 141.809.

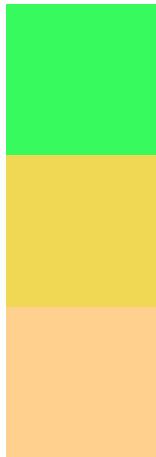


This preview shows how white text looks on a background with the CIELCh color 87, 97.079, 141.809.

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

87, 97.079, 141.809

Protanopia

86, 66.145, 95.222

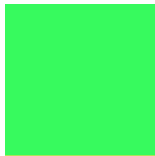
Deuteranopia

86, 39.814, 77.979



Tritanopia
87, 34.950, 214.073

Trichromacy



Original Color
87, 97.079, 141.809



Protanomaly
85, 72.129, 122.387



Deuteranomaly
84, 52.555, 123.994

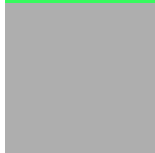


Tritanomaly
86, 51.102, 168.589

Monochromacy



Original Color
87, 97.079, 141.809



Achromatopsia
71, 0.009, 296.813



Achromatomaly
76, 40.354, 147.658

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 97.079, 141.809 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(55, 250, 94)` looks like.

```
.text, #text, p{  
    color:rgb(55, 250, 94)  
}
```

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(55, 250, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 250, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 97.079, 141.809 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(55, 250, 94) }
```

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

```
.border{ border-color:rgb(55, 250, 94) }
```

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

Here you see how a box with a 4 pixel rgb(55, 250, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 250, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 250, 94);  
box-shadow:4px 4px 4px 4px rgb(55, 250,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 97.079, 141.809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 250, 94) }
```

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

```
.background{ background-color: rgb(55, 250,  
94) }
```

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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