

Converting Colors

CIELCh(87, 103.613, 139.084)

Have a look what the booklet for
CIELCh(87, 103.613, 139.084)
contains.

CIELCh(87, 103.709, 139.085)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(87, 103.709, 139.085)

Conversions

Conversions Part 1

Format	Color
Hex	37FB4A
RGB	55, 251, 74
RGB Percent	22%, 98%, 29%
CMY	0.7836, 0.0175, 0.7116
CMYK	0.78, 0.00, 0.71, 0.02
HSL	126°, 96%, 60%
HSV	126°, 78%, 98%
XYZ	37.1559, 70.0064, 17.9495
YIQ	172.2180, -59.9990, -96.5990

Conversions

Conversions Part 2

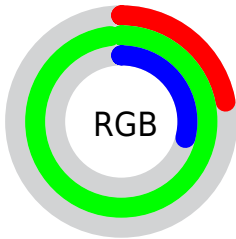
Format	Color
RYB	55, 234, 251
Decimal	3668810
CIELab	87.00, -78.37, 67.92
CIElCh	87, 103.709, 139.085
Yxy	70.0064, 0.2970, 0.5596
Android (android.graphics.Color)	4281858890 (0xFF37FB4A)
YUV	172.2180, -48.4215, -102.8002
Hunter-Lab	83.6698, -67.1544, 45.8495

Details

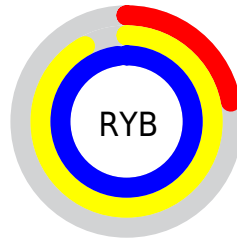
The CIELCh color **87, 103.709, 139.085** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **61, 99.206, 331.438**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 75.644, 139.966**, and **68, 97.132, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **87, 111.015, 137.819**, and if you desaturate by 10%, it is **88, 94.087, 140.446**.

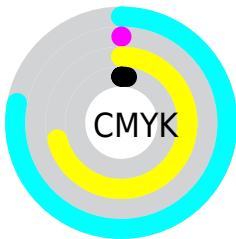
Distribution



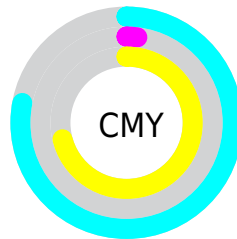
- Red (22%)
- Green (98%)
- Blue (29%)



- Red (22%)
- Yellow (92%)
- Blue (98%)



- Cyan (78%)
- Magenta (0%)
- Yellow (71%)
- Black (2%)





- Cyan (78%)
- Magenta (2%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 103.709, 139.085 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, 103.709, 139.085 by changing the saturation by 10% instead.


 87, 103.709,
139.085


 87, 103.709,
139.085


 100, 103.709,
139.085


 77, 103.709,
139.085


 67, 103.709,
139.085

 57, 103.709,
139.085

 47, 103.709,
139.085

 37, 103.709,
139.085

 27, 103.709,
139.085

 17, 103.709,

139.085

■ 7, 103.709,
139.085

■ 0, 103.709,
139.085

■ 87, 103.709,
139.085

■ 87, 103.709,
139.085

■ 87, 111.015,
137.819

■ 88, 94.087,
140.446

■ 86, 115.702,
136.799

■ 88, 82.594,
141.782

■ 86, 116.360,
136.656

■ 90, 69.690,
143.019

■ 91, 55.803,
144.123

■ 93, 41.311,
145.084

■ 94, 26.529,
145.913

■ 97, 11.710,
146.633

■ 99, 2.781, 324.428

Harmonies

Complementary

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



87, 103.709, 139.085



61, 99.206, 331.438

Rectangle

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



87, 103.709, 139.085



87, 103.709, 189.085



87, 103.709, 319.085



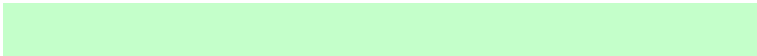
87, 103.709, 9.085

Sweetspot

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



87, 103.709, 139.086



95, 34.463, 145.511



95, 87.759, 107.870



50, 23.850, 145.203



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, 103.709, 139.086



88, 115.732, 137.154



88, 69.805, 158.132



51, 8.336, 146.529



67, 93.660, 136.823



21, 40.489, 138.848

Inverse Universe

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



61, 99.206, 331.438



59, 106.603, 332.181



57, 76.254, 1.478



49, 8.353, 327.617



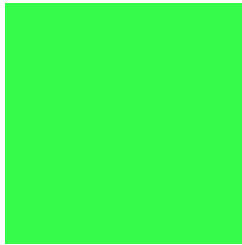
44, 85.598, 332.372



11, 39.090, 331.803

Previews

White Background



This preview shows how the CIELCh color 87, 103.709, 139.085 looks on a white background.

Color Contrast Check

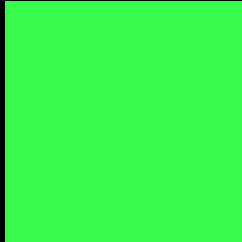
Large Text (above 18pt) WCAG AA × Fail

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, 103.709, 139.085 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, 103.709, 139.085

Background



This preview shows how black text looks on a background with the CIELCh color 87, 103.709, 139.085.

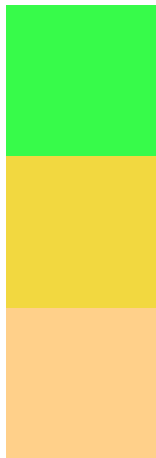


This preview shows how white text looks on a background with the CIELCh color 87, 103.709, 139.085.

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

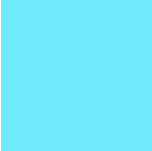
87, 103.788, 139.137

Protanopia

86, 73.710, 95.131

Deuteranopia

86, 41.648, 79.063



Tritanopia
87, 34.580, 214.278

Trichromacy



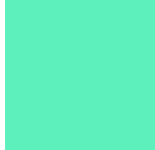
Original Color
87, 103.788, 139.137



Protanomaly
85, 80.032, 120.114



Deuteranomaly
84, 57.075, 122.294

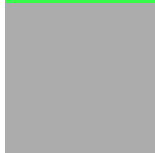


Tritanomaly
86, 53.079, 165.135

Monochromacy



Original Color
87, 103.788, 139.137



Achromatopsia
70, 0.009, 296.813



Achromatomaly
75, 43.787, 144.164

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 103.709, 139.085 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, 251, 74)` looks like.

```
.text, #text, p{  
    color:rgb(55, 251, 74)  
}
```

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, 251, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 251, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 103.709, 139.085 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, 251, 74) }
```

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

```
.border{ border-color:rgb(55, 251, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 251, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 251, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 251, 74);  
box-shadow:4px 4px 4px 4px rgb(55, 251,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 103.709, 139.085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 251, 74) }
```

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

```
.background{ background-color: rgb(55, 251,  
74) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor