

Converting Colors

CIELCh(87, 104.856, 139.252)

Have a look what the booklet for
CIELCh(87, 104.856, 139.252)
contains.

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Color

CIELCh(87, 104.875, 139.240)

Conversions

Conversions Part 1

Format	Color
Hex	30FB48
RGB	48, 251, 72
RGB Percent	19%, 98%, 28%
CMY	0.8128, 0.0161, 0.7181
CMYK	0.81, 0.00, 0.71, 0.02
HSL	127°, 96%, 59%
HSV	127°, 81%, 98%
XYZ	36.8316, 70.0064, 17.6813
YIQ	169.8970, -63.5290, -98.7050

Conversions

Conversions Part 2

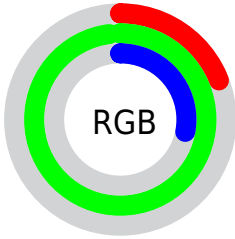
Format	Color
RYB	48, 230, 251
Decimal	3210056
CIELab	87.00, -79.44, 68.47
CIELCh	87, 104.875, 139.240
Yxy	70.0064, 0.2958, 0.5622
Android (android.graphics.Color)	4281400136 (0xFF30FB48)
YUV	169.8970, -48.2632, -106.9037
Hunter-Lab	83.6698, -67.8462, 46.0396

Details

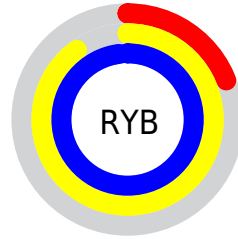
The CIELCh color **87, 104.875, 139.240** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **60, 99.260, 332.625**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 76.715, 140.403**, and **68, 97.132, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **87, 111.666, 137.906**, and if you desaturate by 10%, it is **88, 95.823, 140.668**.

Distribution



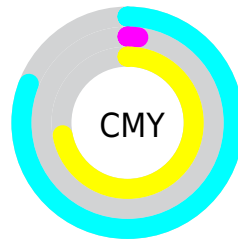
- Red (19%)
- Green (98%)
- Blue (28%)



- Red (19%)
- Yellow (90%)
- Blue (98%)



- Cyan (81%)
- Magenta (0%)
- Yellow (71%)
- Black (2%)





- Cyan (81%)
- Magenta (2%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 104.875, 139.240 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, 104.875, 139.240 by changing the saturation by 10% instead.


 87, 104.875,
139.240


 87, 104.875,
139.240


 100, 104.875,
139.240


 77, 104.875,
139.240


 67, 104.875,
139.240

 57, 104.875,
139.240

 47, 104.875,
139.240

 37, 104.875,
139.240

 27, 104.875,
139.240

 17, 104.875,

139.240

■ 7, 104.875,
139.240

■ 0, 104.875,
139.240

■ 87, 104.875,
139.240

■ 87, 104.875,
139.240

■ 87, 111.666,
137.906

■ 88, 95.823,
140.668

■ 87, 115.700,
136.935

■ 88, 84.894,
142.070

■ 89, 72.507,
143.370

■ 91, 59.067,
144.532

92, 44.945,
145.547

94, 30.460,
146.422

96, 15.872,
147.178

98, 1.383, 148.040

99, 2.565, 324.411

Harmonies

Complementary

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



87, 104.875, 139.240



60, 99.260, 332.625

Rectangle

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



87, 104.875, 139.240



87, 104.875, 189.240



87, 104.875, 319.240



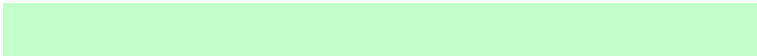
87, 104.875, 9.240

Sweetspot

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



87, 104.875, 139.241



95, 35.336, 146.169



94, 90.028, 109.579



50, 24.268, 145.858



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, 104.875, 139.241



88, 116.014, 137.201



88, 69.178, 159.590



51, 8.192, 147.282



67, 92.963, 137.133



21, 39.971, 139.352

Inverse Universe

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



60, 99.260, 332.625



59, 104.878, 333.551



56, 77.615, 5.341



49, 8.209, 328.385



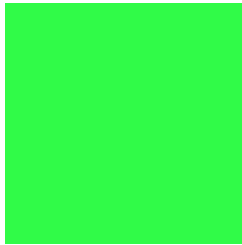
44, 83.950, 333.617



11, 38.429, 332.859

Previews

White Background



This preview shows how the CIELCh color 87, 104.875, 139.240 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, 104.875, 139.240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

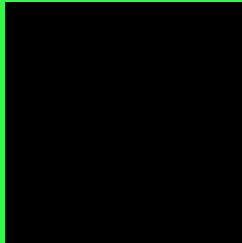
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 104.875, 139.240

Background



This preview shows how black text looks on a background with the CIELCh color 87, 104.875, 139.240.

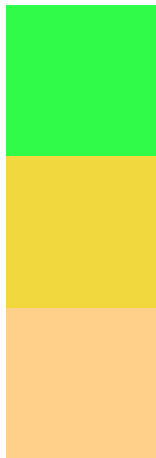


This preview shows how white text looks on a background with the CIELCh color 87, 104.875, 139.240.

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, 104.875, 139.240

Protanopia

86, 74.048, 95.140

Deuteranopia

86, 41.648, 79.063



Tritanopia
87, 35.133, 213.974

Trichromacy



Original Color
87, 104.875, 139.240



Protanomaly
85, 80.725, 120.799

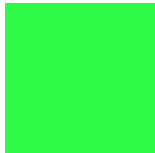


Deuteranomaly
84, 58.305, 123.063



Tritanomaly
86, 54.220, 165.134

Monochromacy



Original Color
87, 104.875, 139.240



Achromatopsia
70, 0.009, 296.813



Achromatomaly
74, 44.282, 144.762

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 104.875, 139.240 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(48, 251, 72)` looks like.

```
.text, #text, p{  
    color:rgb(48, 251, 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(48, 251, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 251, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 104.875, 139.240 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(48, 251, 72) }
```

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

```
.border{ border-color:rgb(48, 251, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 251, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 251, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 251, 72);  
box-shadow:4px 4px 4px 4px rgb(48, 251,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 104.875, 139.240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 251, 72) }
```

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

```
.background{ background-color: rgb(48, 251,  
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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