

Converting Colors

CIELCh(87, 104.300, 139.467)

Have a look what the booklet for
CIELCh(87, 104.300, 139.467)
contains.

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Color

CIELCh(87, 104.302, 139.469)

Conversions

Conversions Part 1

Format	Color
Hex	30FB4A
RGB	48, 251, 74
RGB Percent	19%, 98%, 29%
CMY	0.8131, 0.0163, 0.7104
CMYK	0.81, 0.00, 0.71, 0.02
HSL	128°, 96%, 59%
HSV	128°, 81%, 98%
XYZ	36.8809, 70.0064, 18.0190
YIQ	170.1250, -64.1710, -98.0830

Conversions

Conversions Part 2

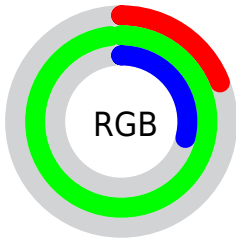
Format	Color
RYB	48, 228, 251
Decimal	3210058
CIELab	87.00, -79.28, 67.78
CIELCh	87, 104.302, 139.469
Yxy	70.0064, 0.2953, 0.5605
Android (android.graphics.Color)	4281400138 (0xFF30FB4A)
YUV	170.1250, -47.3896, -107.1036
Hunter-Lab	83.6698, -67.7411, 45.8003

Details

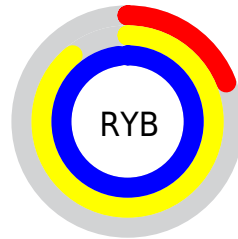
The CIELCh color **87, 104.302, 139.469** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **60, 98.567, 333.063**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 76.325, 140.603**, and **68, 97.132, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **87, 111.171, 138.088**, and if you desaturate by 10%, it is **88, 95.238, 140.928**.

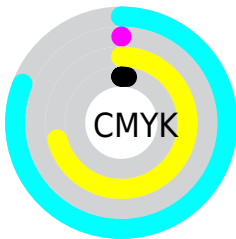
Distribution



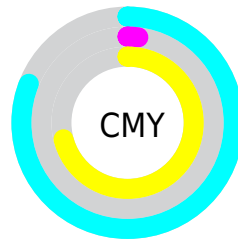
- Red (19%)
- Green (98%)
- Blue (29%)



- Red (19%)
- Yellow (89%)
- Blue (98%)



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





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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 104.302, 139.469 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, 104.302, 139.469 by changing the saturation by 10% instead.


 87, 104.302,
139.469


 87, 104.302,
139.469


 100, 104.302,
139.469

 77, 104.302,
139.469

 67, 104.302,
139.469

 57, 104.302,
139.469

 47, 104.302,
139.469

 37, 104.302,
139.469

 27, 104.302,
139.469

 17, 104.302,

139.469

■ 7, 104.302,
139.469

■ 0, 104.302,
139.469

■ 87, 104.302,
139.469

■ 87, 104.302,
139.469

■ 87, 111.171,
138.088

■ 88, 95.238,
140.928

■ 87, 115.327,
137.064

■ 88, 84.347,
142.348

■ 89, 72.030,
143.660

■ 91, 58.681,
144.828

92, 44.660,
145.847

94, 30.280,
146.727

96, 15.798,
147.487

98, 1.412, 148.349

99, 2.589, 324.413

Harmonies

Complementary

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



87, 104.302, 139.469



60, 98.567, 333.063

Rectangle

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



87, 104.302, 139.469



87, 104.302, 189.469



87, 104.302, 319.469



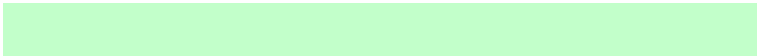
87, 104.302, 9.469

Sweetspot

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



87, 104.302, 139.470



95, 35.085, 146.475



94, 90.034, 109.579



50, 24.096, 146.162



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, 104.302, 139.470



88, 115.600, 137.349



88, 69.185, 159.585



51, 8.134, 147.593



67, 92.649, 137.273



21, 39.764, 139.560

Inverse Universe

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



60, 98.567, 333.063



59, 104.068, 334.066



56, 77.620, 5.352



49, 8.152, 328.702



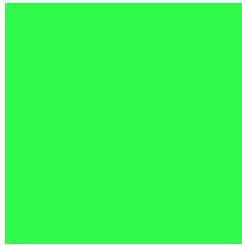
43, 83.298, 334.138



11, 38.167, 333.299

Previews

White Background



This preview shows how the CIELCh color 87, 104.302, 139.469 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, 104.302, 139.469 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, 104.302, 139.469

Background



This preview shows how black text looks on a background with the CIELCh color 87, 104.302, 139.469.

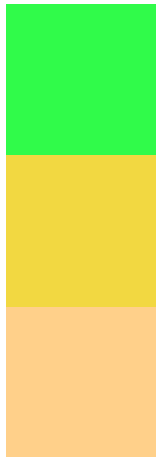


This preview shows how white text looks on a background with the CIELCh color 87, 104.302, 139.469.

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, 104.302, 139.469

Protanopia

86, 73.368, 95.122

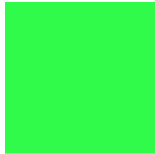
Deuteranopia

86, 41.648, 79.063



Tritanopia
87, 35.133, 213.974

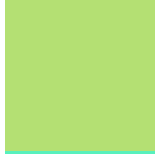
Trichromacy



Original Color
87, 104.302, 139.469



Protanomaly
85, 80.073, 120.979



Deuteranomaly
84, 57.862, 123.224



Tritanomaly
86, 53.882, 165.576

Monochromacy



Original Color
87, 104.302, 139.469



Achromatopsia
70, 0.009, 296.813



Achromatomaly
74, 43.855, 145.170

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 104.302, 139.469 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, 74)` looks like.

```
.text, #text, p{  
    color:rgb(48, 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(48, 251, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 251, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 104.302, 139.469 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, 74) }
```

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

```
.border{ border-color:rgb(48, 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(48, 251, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 251, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 251, 74);  
box-shadow:4px 4px 4px 4px rgb(48, 251,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 104.302, 139.469 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, 74) }
```

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

```
.background{ background-color: rgb(48, 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](#).

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