

Converting Colors

CIELCh(90, 103.834, 128.622)

Have a look what the booklet for
CIELCh(90, 103.834, 128.622)
contains.

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Color

CIELCh(90, 103.628, 128.581)

Conversions

Conversions Part 1

Format	Color
Hex	87FE28
RGB	135, 254, 40
RGB Percent	53%, 100%, 16%
CMY	0.4699, 0.0033, 0.8422
CMYK	0.47, 0.00, 0.84, 0.00
HSL	93°, 99%, 58%
HSV	93°, 84%, 100%
XYZ	45.8976, 76.3034, 14.3374
YIQ	194.0230, -2.2300, -91.7820

Conversions

Conversions Part 2

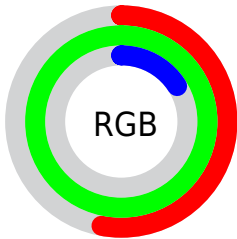
Format	Color
RYB	40, 254, 159
Decimal	8912424
CIELab	90.00, -64.62, 81.01
CIELCh	90, 103.628, 128.581
Yxy	76.3034, 0.3362, 0.5588
Android (android.graphics.Color)	4287102504 (0xFF87FE28)
YUV	194.0230, -75.9333, -51.7632
Hunter-Lab	87.3518, -59.0756, 51.4147

Details

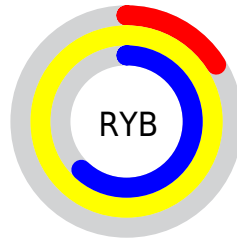
The CIELCh color **90, 103.628, 128.581** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **47, 114.596, 313.954**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 75.152, 122.421**, and **70, 93.533, 132.161** is the 20% darker color. If you saturate the color by 10%, you get **89, 109.007, 129.430**, and if you desaturate by 10%, it is **91, 95.619, 128.223**.

Distribution



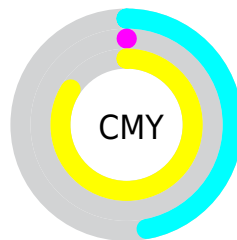
- Red (53%)
- Green (100%)
- Blue (16%)



- Red (16%)
- Yellow (100%)
- Blue (62%)



- Cyan (47%)
- Magenta (0%)
- Yellow (84%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 103.628, 128.581 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 90, 103.628, 128.581 by changing the saturation by 10% instead.


 90, 103.628,
128.581


 90, 103.628,
128.581


 100, 103.628,
128.581


 80, 103.628,
128.581


 70, 103.628,
128.581

 60, 103.628,
128.581


 50, 103.628,
128.581


 40, 103.628,
128.581


 30, 103.628,
128.581


 20, 103.628,


128.581


 10, 103.628,
128.581


 0, 103.628,
128.581


 90, 103.628,
128.581


 90, 103.628,
128.581


 89, 109.007,
129.430

 91, 95.619,
128.223

 89, 111.123,
130.092

 91, 85.425,
128.249

 92, 73.659,
128.525

 93, 60.860,
128.942

95, 47.430,
129.421

96, 33.652,
129.914

97, 19.722,
130.395

99, 5.777, 130.862

100, 0.529,
323.875

Harmonies

Complementary

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



90, 103.628, 128.581



47, 114.596, 313.954

Rectangle

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



90, 103.628, 128.581



90, 103.628, 178.581



90, 103.628, 308.581



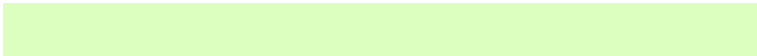
90, 103.628, 358.581

Sweetspot

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



90, 103.628, 128.582



96, 34.904, 129.873



73, 75.496, 68.356



51, 23.794, 129.700



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 103.628, 128.582



89, 111.404, 130.095



88, 111.932, 137.466



52, 7.928, 130.612



69, 89.468, 129.821



23, 39.751, 128.342

Inverse Universe

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



47, 114.596, 313.954



43, 123.515, 313.031



61, 106.870, 329.947



49, 8.026, 311.408



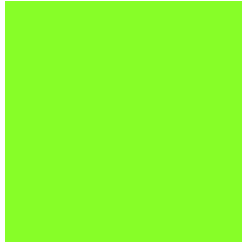
31, 99.320, 313.226



7, 44.804, 314.439

Previews

White Background



This preview shows how the CIE LCh color 90, 103.628, 128.581 looks on a white background.

Color Contrast Check

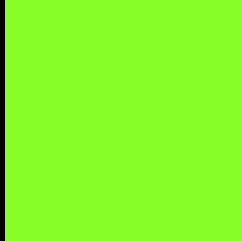
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 90, 103.628, 128.581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

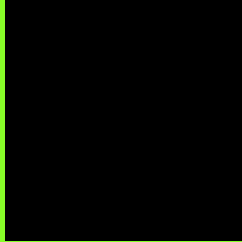
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

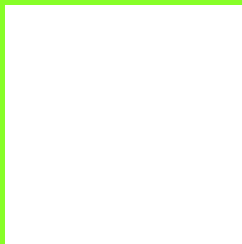
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 103.628, 128.581

Background



This preview shows how black text looks on a background with the CIELCh color 90, 103.628, 128.581.

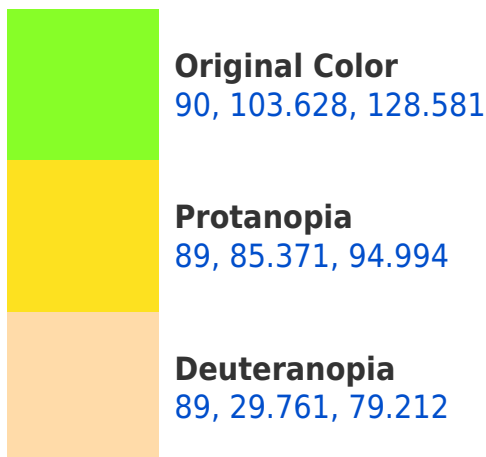


This preview shows how white text looks on a background with the CIELCh color 90, 103.628, 128.581.

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](#).

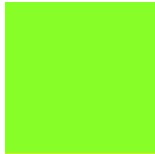
Dichromacy





Tritanopia
90, 23.075, 223.738

Trichromacy



Original Color
90, 103.628, 128.581



Protanomaly
89, 88.130, 110.268

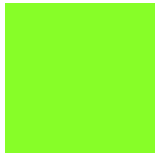


Deuteranomaly
88, 55.809, 114.400

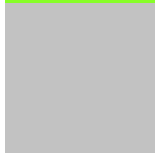


Tritanomaly
89, 46.181, 149.064

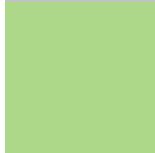
Monochromacy



Original Color
90, 103.628, 128.581



Achromatopsia
78, 0.009, 296.813



Achromatomaly
82, 43.834, 129.171

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 103.628, 128.581 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(135, 254, 40)` looks like.

```
.text, #text, p{  
    color:rgb(135, 254, 40)  
}
```

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(135, 254, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 254, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 103.628, 128.581 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(135, 254, 40) }
```

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

```
.border{ border-color:rgb(135, 254, 40) }
```

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

Here you see how a box with a 4 pixel rgb(135, 254, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 254, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 254, 40);  
box-shadow:4px 4px 4px 4px rgb(135, 254,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 103.628, 128.581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 254, 40) }
```

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

```
.background{ background-color: rgb(135,  
254, 40) }
```

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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