

Converting Colors

CIELCh(91, 103.472, 126.907)

Have a look what the booklet for
CIELCh(91, 103.472, 126.907)
contains.

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Color

CIELCh(91, 102.992, 126.850)

Conversions

Conversions Part 1

Format	Color
Hex	93FF27
RGB	147, 255, 39
RGB Percent	58%, 100%, 15%
CMY	0.4235, 0.0000, 0.8489
CMYK	0.42, 0.00, 0.85, 0.00
HSL	90°, 100%, 58%
HSV	90°, 85%, 100%
XYZ	48.4601, 78.4833, 14.4722
YIQ	198.0840, 4.9680, -90.0720

Conversions

Conversions Part 2

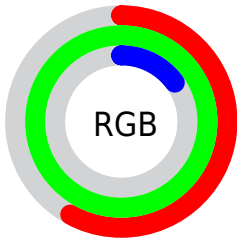
Format	Color
R_{YB}	39, 255, 147
Decimal	9699111
CIE _{Lab}	91.00, -61.77, 82.42
CIE _{LCh}	91, 102.992, 126.850
Yxy	78.4833, 0.3427, 0.5550
Android (android.graphics.Color)	4287889191 (0xFF93FF27)
YUV	198.0840, -78.4284, -44.8007
Hunter-Lab	88.5908, -57.3926, 52.3279

Details

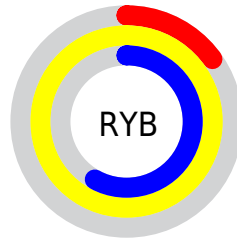
The CIELCh color **91, 102.992, 126.850** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **45, 116.432, 312.468**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 73.870, 119.390**, and **71, 91.976, 130.339** is the 20% darker color. If you saturate the color by 10%, you get **90, 107.624, 127.712**, and if you desaturate by 10%, it is **91, 94.913, 126.329**.

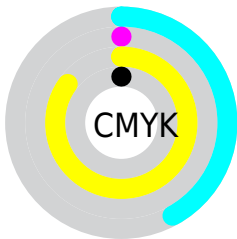
Distribution



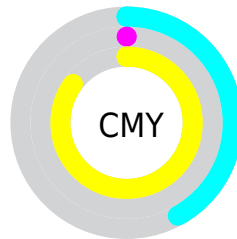
- Red (58%)
- Green (100%)
- Blue (15%)



- Red (15%)
- Yellow (100%)
- Blue (58%)



- Cyan (42%)
- Magenta (0%)
- Yellow (85%)
- Black (0%)



- Cyan (42%)
- Magenta (0%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 102.992, 126.850 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 91, 102.992, 126.850 by changing the saturation by 10% instead.

■ 91, 102.992,
126.850

■ 91, 102.992,
126.850

■ 100, 102.992,
126.850

■ 81, 102.992,
126.850

■ 71, 102.992,
126.850

■ 61, 102.992,
126.850

■ 51, 102.992,
126.850

■ 41, 102.992,
126.850

■ 31, 102.992,
126.850

■ 21, 102.992,

126.850

■ 11, 102.992,
126.850

■ 1, 102.992,
126.850

■ 91, 102.992,
126.850

■ 91, 102.992,
126.850

■ 90, 107.624,
127.712

■ 91, 94.913,
126.329

■ 90, 109.398,
128.331

■ 92, 85.035,
126.291

■ 93, 73.553,
126.523

■ 94, 61.009,
126.912

95, 47.811,
127.379

96, 34.243,
127.871

98, 20.499,
128.359

99, 6.715, 128.836

100, 0.012,
296.813

Harmonies

Complementary

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



91, 102.992, 126.850



45, 116.432, 312.468

Rectangle

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



91, 102.992, 126.850



91, 102.992, 176.850



91, 102.992, 306.850



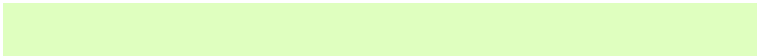
91, 102.992, 356.850

Sweetspot

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



91, 102.579, 126.770



96, 34.392, 127.865



70, 76.995, 62.341



51, 23.441, 127.692



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



91, 102.579, 126.770



90, 109.398, 128.331



88, 114.540, 136.531



53, 7.820, 128.616



69, 87.868, 128.047



23, 39.091, 126.495

Inverse Universe

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



45, 116.432, 312.468



41, 125.081, 311.649



61, 111.392, 327.515



49, 7.929, 309.449



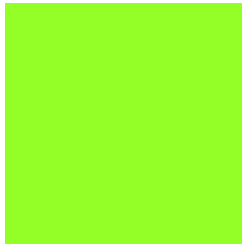
30, 100.557, 311.845



6, 44.902, 312.847

Previews

White Background



This preview shows how the CIE LCh color 91, 102.992, 126.850 looks on a white background.

Color Contrast Check

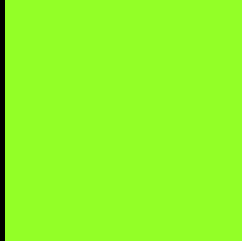
Large Text (above 18pt) WCAG AA × Fail

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 91, 102.992, 126.850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

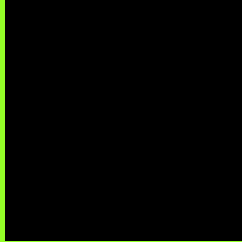
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 91, 102.992, 126.850

Background



This preview shows how black text looks on a background with the CIELCh color 91, 102.992, 126.850.

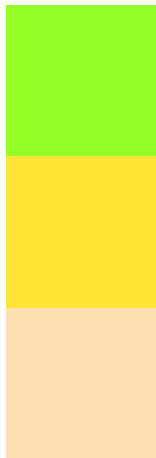


This preview shows how white text looks on a background with the CIELCh color 91, 102.992, 126.850.

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


91, 102.495, 126.796

Protanopia

90, 81.125, 94.996

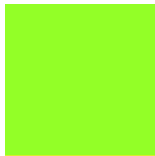
Deuteranopia

90, 26.772, 79.222



Tritanopia
90, 20.380, 225.839

Trichromacy



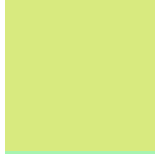
Original Color

91, 102.495, 126.796



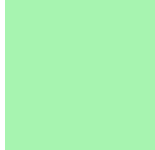
Protanomaly

90, 85.319, 109.298



Deuteranomaly

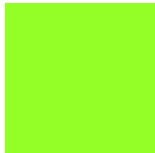
89, 54.182, 113.495



Tritanomaly

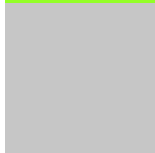
90, 44.831, 145.437

Monochromacy



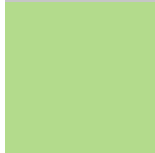
Original Color

91, 102.495, 126.796



Achromatopsia

80, 0.010, 296.813



Achromatomaly

83, 43.751, 127.601

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 102.992, 126.850 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(147, 255, 39)` looks like.

```
.text, #text, p{  
    color:rgb(147, 255, 39)  
}
```

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(147, 255, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 255, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 102.992, 126.850 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(147, 255, 39) }
```

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

```
.border{ border-color:rgb(147, 255, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 255, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 255, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 255, 39);  
box-shadow:4px 4px 4px 4px rgb(147, 255,  
39) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 102.992, 126.850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 255, 39) }
```

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

```
.background{ background-color: rgb(147,  
255, 39) }
```

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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