

Converting Colors

CIELCh(91, 99.651, 127.316)

Have a look what the booklet for
CIELCh(91, 99.651, 127.316)
contains.

CIELCh(91, 99.529, 127.266)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(91, 99.529, 127.266)

Conversions

Conversions Part 1

Format	Color
Hex	95FF35
RGB	149, 255, 53
RGB Percent	58%, 100%, 21%
CMY	0.4139, 0.0000, 0.7939
CMYK	0.41, 0.00, 0.79, 0.00
HSL	91°, 100%, 60%
HSV	91°, 79%, 100%
XYZ	49.0081, 78.4833, 15.8795
YIQ	200.2780, 1.6660, -85.2940

Conversions

Conversions Part 2

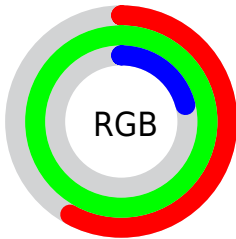
Format	Color
RYB	53, 255, 159
Decimal	9830197
CIELab	91.00, -60.27, 79.21
CIElCh	91, 99.529, 127.266
Yxy	78.4833, 0.3418, 0.5474
Android (android.graphics.Color)	4288020277 (0xFF95FF35)
YUV	200.2780, -72.6081, -44.9708
Hunter-Lab	88.5908, -56.2884, 51.3861

Details

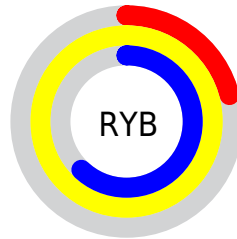
The CIELCh color **91, 99.529, 127.266** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **48, 111.051, 313.120**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 69.986, 119.771**, and **71, 91.557, 129.913** is the 20% darker color. If you saturate the color by 10%, you get **90, 105.917, 127.874**, and if you desaturate by 10%, it is **92, 90.300, 127.042**.

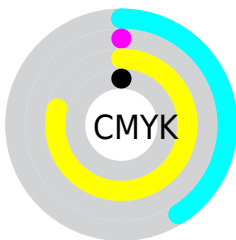
Distribution



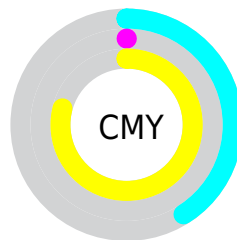
- Red (58%)
- Green (100%)
- Blue (21%)



- Red (21%)
- Yellow (100%)
- Blue (62%)



- Cyan (41%)
- Magenta (0%)
- Yellow (79%)
- Black (0%)



- Cyan (41%)
- Magenta (0%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 99.529, 127.266 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, 99.529, 127.266 by changing the saturation by 10% instead.

■ 91, 99.529,
127.266

■ 91, 99.529,
127.266

■ 100, 99.529,
127.266

■ 81, 99.529,
127.266

■ 71, 99.529,
127.266

■ 61, 99.529,
127.266

■ 51, 99.529,
127.266

■ 41, 99.529,
127.266

■ 31, 99.529,
127.266

■ 21, 99.529,

127.266

■ 11, 99.529,
127.266

■ 1, 99.529, 127.266

■ 91, 99.529,
127.266

■ 91, 99.529,
127.266

■ 90, 105.917,
127.874

■ 92, 90.300,
127.042

■ 90, 109.984,
128.984

■ 92, 79.381,
127.179

■ 90, 110.196,
129.054

■ 93, 67.167,
127.517

■ 95, 54.132,
127.960

■ 96, 40.612,
128.446

■ 97, 26.842,
128.936

■ 99, 12.983,
129.411

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, 99.529, 127.266



48, 111.051, 313.120

Rectangle

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



91, 99.529, 127.266



91, 99.529, 177.266



91, 99.529, 307.266



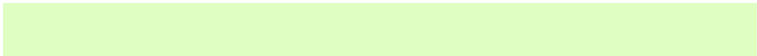
91, 99.529, 357.266

Sweetspot

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



91, 99.334, 127.231



96, 33.210, 128.711



73, 72.051, 66.326



51, 22.797, 128.536



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, 99.334, 127.231



90, 108.436, 128.460



88, 110.372, 137.369



53, 7.861, 129.406



69, 88.504, 128.773



23, 39.350, 127.244

Inverse Universe

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



48, 111.051, 313.120



43, 122.416, 312.534



62, 107.058, 328.591



49, 7.966, 310.222



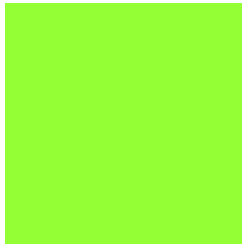
31, 100.069, 312.367



6, 44.874, 313.468

Previews

White Background



This preview shows how the CIELCh color 91, 99.529, 127.266 looks on a white background.

Color Contrast Check

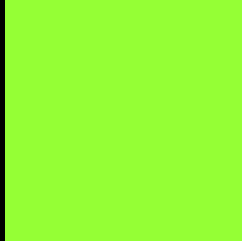
Large Text (above 18pt) WCAG AA × Fail

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, 99.529, 127.266 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, 99.529, 127.266

Background



This preview shows how black text looks on a background with the CIELCh color 91, 99.529, 127.266.



This preview shows how white text looks on a background with the CIELCh color 91, 99.529, 127.266.

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, 99.296, 127.336

Protanopia

90, 78.085, 95.274

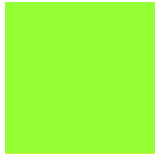
Deuteranopia

90, 25.856, 78.268

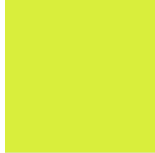


Tritanopia
91, 19.869, 226.633

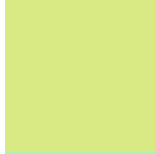
Trichromacy



Original Color
91, 99.296, 127.336



Protanomaly
90, 82.380, 109.732

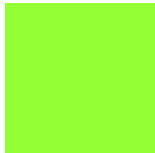


Deuteranomaly
90, 51.325, 113.666

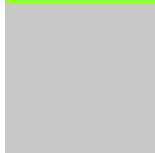


Tritanomaly
90, 42.135, 146.527

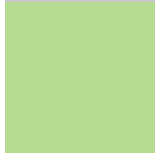
Monochromacy



Original Color
91, 99.296, 127.336



Achromatopsia
81, 0.010, 296.813



Achromatomaly
84, 41.080, 127.973

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 99.529, 127.266 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(149, 255, 53)` looks like.

```
.text, #text, p{  
    color:rgb(149, 255, 53)  
}
```

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(149, 255, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 255, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 99.529, 127.266 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(149, 255, 53) }
```

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

```
.border{ border-color:rgb(149, 255, 53) }
```

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

Here you see how a box with a 4 pixel rgb(149, 255, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 255, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 255, 53);  
box-shadow:4px 4px 4px 4px rgb(149, 255,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 99.529, 127.266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 255, 53) }
```

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

```
.background{ background-color: rgb(149,  
255, 53) }
```

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