

Converting Colors

CIELCh(91, 91.513, 127.518)

Have a look what the booklet for
CIELCh(91, 91.513, 127.518)
contains.

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Color

CIELCh(91, 91.493, 127.544)

Conversions

Conversions Part 1

Format	Color
Hex	9EFE4B
RGB	158, 254, 75
RGB Percent	62%, 100%, 29%
CMY	0.3813, 0.0048, 0.7068
CMYK	0.38, 0.00, 0.71, 0.00
HSL	92°, 99%, 64%
HSV	92°, 71%, 100%
XYZ	50.6818, 78.4833, 19.0905
YIQ	204.8900, 0.2430, -76.0210

Conversions

Conversions Part 2

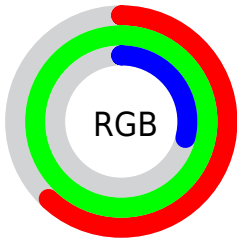
Format	Color
RYB	75, 254, 171
Decimal	10419787
CIELab	91.00, -55.75, 72.54
CIELCh	91, 91.493, 127.544
Yxy	78.4833, 0.3419, 0.5294
Android (android.graphics.Color)	4288609867 (0xFF9EFE4B)
YUV	204.8900, -64.0358, -41.1225
Hunter-Lab	88.5908, -52.9160, 49.2371

Details

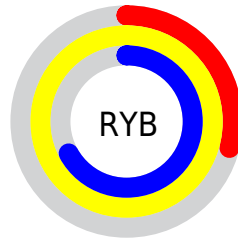
The CIELCh color **91, 91.493, 127.544** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **53, 100.700, 313.471**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 61.867, 119.204**, and **71, 89.967, 128.200** is the 20% darker color. If you saturate the color by 10%, you get **90, 100.291, 127.768**, and if you desaturate by 10%, it is **92, 80.743, 127.662**.

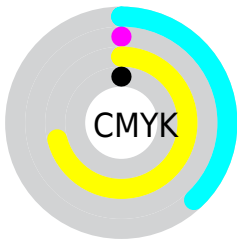
Distribution



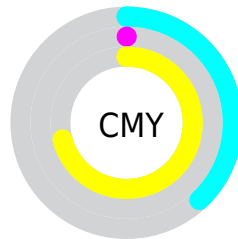
- Red (62%)
- Green (100%)
- Blue (29%)



- Red (29%)
- Yellow (100%)
- Blue (67%)



- Cyan (38%)
- Magenta (0%)
- Yellow (71%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 91.493, 127.544 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, 91.493, 127.544 by changing the saturation by 10% instead.


 91, 91.493,
127.544


 91, 91.493,
127.544


 100, 91.493,
127.544


 81, 91.493,
127.544

 71, 91.493,
127.544

 61, 91.493,
127.544

 51, 91.493,
127.544

 41, 91.493,
127.544

 31, 91.493,
127.544

 21, 91.493,

127.544

■ 11, 91.493,
127.544

■ 1, 91.493, 127.544

■ 91, 91.493,
127.544

■ 91, 91.493,
127.544

■ 90, 100.291,
127.768

■ 92, 80.743,
127.662

■ 90, 106.591,
128.454

■ 93, 68.639,
127.989

■ 89, 110.310,
129.509

■ 94, 55.669,
128.428

■ 95, 42.184,
128.913

■ 96, 28.428,
129.403

■ 98, 14.572,
129.878

■ 99, 0.733, 130.518

■ 100, 0.773,
324.068

Harmonies

Complementary

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



91, 91.493, 127.544



53, 100.700, 313.471

Rectangle

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



91, 91.493, 127.544



91, 91.493, 177.544



91, 91.493, 307.544



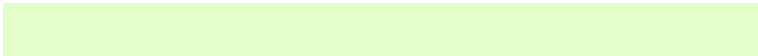
91, 91.493, 357.544

Sweetspot

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



91, 91.494, 127.545



97, 29.179, 129.380



76, 63.846, 69.356



51, 19.744, 129.246



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, 91.494, 127.545



90, 103.826, 128.013



88, 101.188, 138.669



52, 7.889, 129.926



69, 88.921, 129.234



23, 39.522, 127.724

Inverse Universe

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



53, 100.700, 313.471



46, 115.888, 313.409



64, 98.798, 328.906



49, 7.991, 310.733



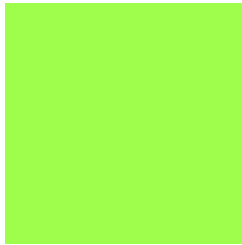
31, 99.747, 312.729



6, 44.848, 313.884

Previews

White Background



This preview shows how the CIELCh color 91, 91.493, 127.544 looks on a white background.

Color Contrast Check

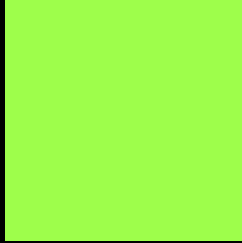
Large Text (above 18pt) WCAG AA × Fail

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, 91.493, 127.544 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

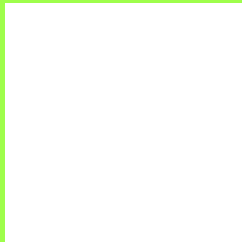
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 91.493, 127.544

Background



This preview shows how black text looks on a background with the CIELCh color 91, 91.493, 127.544.

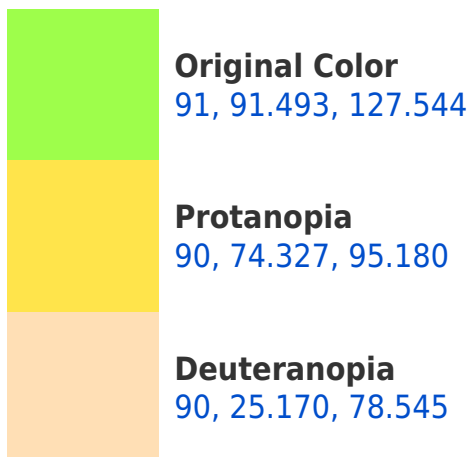



This preview shows how white text looks on a background with the CIELCh color 91, 91.493, 127.544.

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](#).

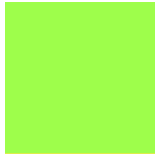
Dichromacy



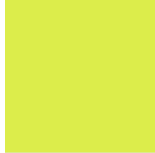


Tritanopia
91, 18.590, 228.832

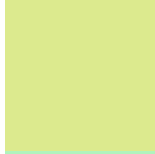
Trichromacy



Original Color
91, 91.493, 127.544



Protanomaly
90, 76.971, 109.286

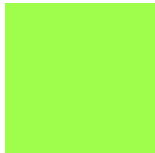


Deuteranomaly
90, 46.886, 113.218

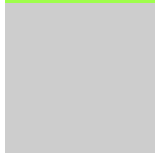


Tritanomaly
90, 36.964, 148.254

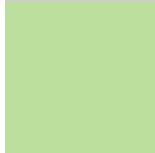
Monochromacy



Original Color
91, 91.493, 127.544



Achromatopsia
82, 0.010, 296.813



Achromatomaly
85, 36.295, 129.065

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 91.493, 127.544 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(158, 254, 75)` looks like.

```
.text, #text, p{  
    color:rgb(158, 254, 75)  
}
```

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(158, 254, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 254, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 91.493, 127.544 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(158, 254, 75) }
```

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

```
.border{ border-color:rgb(158, 254, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 254, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 254, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 254, 75);  
box-shadow:4px 4px 4px 4px rgb(158, 254,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 91.493, 127.544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 254, 75) }
```

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

```
.background{ background-color: rgb(158,  
254, 75) }
```

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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