

Converting Colors

CIELCh(92, 98.637, 122.800)

Have a look what the booklet for
CIELCh(92, 98.637, 122.800)
contains.

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Color

CIELCh(92, 98.544, 122.780)

Conversions

Conversions Part 1

Format	Color
Hex	ABFF2B
RGB	171, 255, 43
RGB Percent	67%, 100%, 17%
CMY	0.3275, 0.0000, 0.8326
CMYK	0.33, 0.00, 0.83, 0.00
HSL	84°, 100%, 58%
HSV	84°, 83%, 100%
XYZ	53.2401, 80.7044, 15.0269
YIQ	205.7160, 17.9880, -83.7400

Conversions

Conversions Part 2

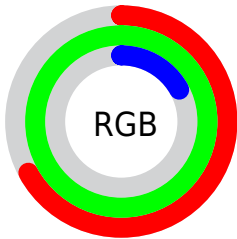
Format	Color
RYB	43, 255, 127
Decimal	11271979
CIELab	92.00, -53.35, 82.85
CIELCh	92, 98.544, 122.780
Yxy	80.7044, 0.3574, 0.5417
Android (android.graphics.Color)	4289462059 (0xFFABFF2B)
YUV	205.7160, -80.2190, -30.4459
Hunter-Lab	89.8356, -51.4263, 52.9674

Details

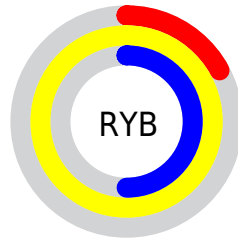
The CIELCh color **92, 98.544, 122.780** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **43, 116.716, 310.072**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 70.647, 112.387**, and **72, 88.454, 125.974** is the 20% darker color. If you saturate the color by 10%, you get **91, 103.424, 123.580**, and if you desaturate by 10%, it is **92, 90.684, 122.356**.

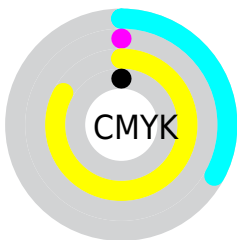
Distribution



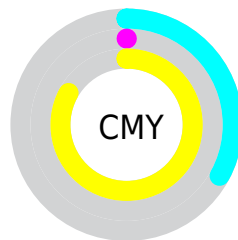
- Red (67%)
- Green (100%)
- Blue (17%)



- Red (17%)
- Yellow (100%)
- Blue (50%)



- Cyan (33%)
- Magenta (0%)
- Yellow (83%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 92, 98.544, 122.780 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 92, 98.544, 122.780 by changing the saturation by 10% instead.


 92, 98.544,
122.780


 92, 98.544,
122.780

 100, 98.544,
122.780


 82, 98.544,
122.780

 72, 98.544,
122.780

 62, 98.544,
122.780


 52, 98.544,
122.780

 42, 98.544,
122.780


 32, 98.544,
122.780

 22, 98.544,


122.780


 12, 98.544,
122.780


 2, 98.544, 122.780


 92, 98.544,
122.780


 92, 98.544,
122.780


 91, 103.424,
123.580

 92, 90.684,
122.356

 91, 105.591,
124.394

 93, 80.912,
122.367

 94, 69.630,
122.632

 95, 57.357,
123.049

■ 96, 44.474,
123.544

■ 97, 31.240,
124.070

■ 98, 17.832,
124.598

■ 100, 4.368,
125.123

■ 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.



92, 98.544, 122.780



43, 116.716, 310.072

Rectangle

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



92, 98.544, 122.780



92, 98.544, 172.780



92, 98.544, 302.780



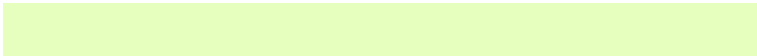
92, 98.544, 352.780

Sweetspot

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



92, 98.341, 122.724



97, 33.566, 123.978



66, 78.057, 54.471



51, 22.868, 123.792



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



92, 98.341, 122.724



91, 105.591, 124.394



88, 111.927, 135.574



53, 7.647, 124.794



70, 84.855, 124.113



24, 37.909, 122.569

Inverse Universe

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



43, 116.716, 310.072



38, 127.914, 309.543



58, 110.775, 324.038



49, 7.776, 305.744



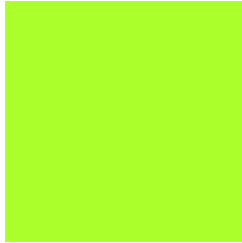
28, 102.811, 309.724



5, 44.890, 310.020

Previews

White Background



This preview shows how the CIELCh color 92, 98.544, 122.780 looks on a white background.

Color Contrast Check

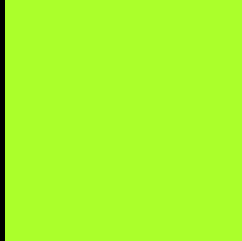
Large Text (above 18pt) WCAG AA × Fail

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 92, 98.544, 122.780 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 92, 98.544, 122.780

Background



This preview shows how black text looks on a background with the CIELCh color 92, 98.544, 122.780.

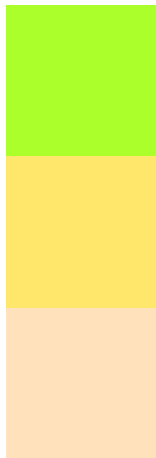


This preview shows how white text looks on a background with the CIELCh color 92, 98.544, 122.780.

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

92, 98.346, 122.831

Protanopia

91, 62.413, 95.845

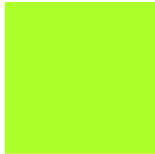
Deuteranopia

91, 22.670, 78.877

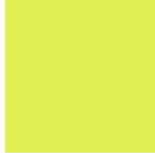


Tritanopia
92, 15.317, 236.434

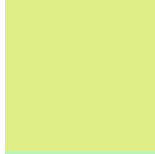
Trichromacy



Original Color
92, 98.346, 122.831



Protanomaly
91, 74.743, 109.004

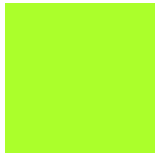


Deuteranomaly
91, 51.461, 111.411

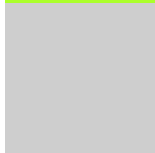


Tritanomaly
91, 39.540, 138.326

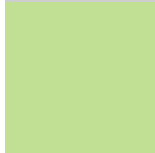
Monochromacy



Original Color
92, 98.346, 122.831



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 41.445, 123.852

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 98.544, 122.780 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(171, 255, 43)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 43)  
}
```

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(171, 255, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 98.544, 122.780 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(171, 255, 43) }
```

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

```
.border{ border-color:rgb(171, 255, 43) }
```

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

Here you see how a box with a 4 pixel rgb(171, 255, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 43);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 98.544, 122.780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 43) }
```

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

```
.background{ background-color: rgb(171,  
255, 43) }
```

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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