

Converting Colors

CIELCh(90, 97.492, 125.543)

Have a look what the booklet for
CIELCh(90, 97.492, 125.543)
contains.

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Color

CIELCh(90, 97.431, 125.508)

Conversions

Conversions Part 1

Format	Color
Hex	9CFB31
RGB	156, 251, 49
RGB Percent	61%, 98%, 19%
CMY	0.3881, 0.0156, 0.8077
CMYK	0.38, 0.00, 0.80, 0.02
HSL	88°, 96%, 59%
HSV	88°, 80%, 98%
XYZ	48.7762, 76.3034, 15.0666
YIQ	199.5670, 8.2220, -82.9620

Conversions

Conversions Part 2

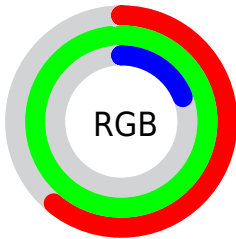
Format	Color
R_{YB}	49, 251, 144
Decimal	10287921
CIE _{Lab}	90.00, -56.59, 79.31
CIE _{LCh}	90, 97.431, 125.508
Yxy	76.3034, 0.3480, 0.5445
Android (android.graphics.Color)	4288478001 (0xFF9CFB31)
YUV	199.5670, -74.2295, -38.2083
Hunter-Lab	87.3518, -53.1934, 50.9198

Details

The CIELCh color **90, 97.431, 125.508** 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 **46, 111.384, 311.825**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 70.625, 117.644**, and **70, 89.150, 128.436** is the 20% darker color. If you saturate the color by 10%, you get **89, 103.501, 126.231**, and if you desaturate by 10%, it is **91, 88.916, 125.255**.

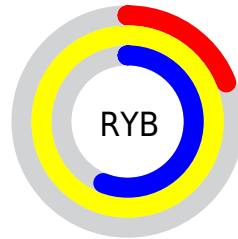
Distribution



Red (61%)

Green (98%)

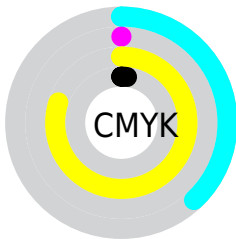
Blue (19%)



Red (19%)

Yellow (98%)

Blue (56%)

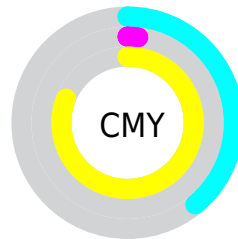


Cyan (38%)

Magenta (0%)

Yellow (80%)

Black (2%)



Cyan (39%)


Magenta (2%)


Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 97.431, 125.508 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, 97.431, 125.508 by changing the saturation by 10% instead.


 90, 97.431,
125.508

 90, 97.431,
125.508


 100, 97.431,
125.508

 80, 97.431,
125.508


 70, 97.431,
125.508

 60, 97.431,
125.508


 50, 97.431,
125.508

 40, 97.431,
125.508


 30, 97.431,
125.508


 20, 97.431,


125.508


 10, 97.431,
125.508


 0, 97.431, 125.508


 90, 97.431,
125.508


 90, 97.431,
125.508


 89, 103.501,
126.231

 91, 88.916,
125.255

 89, 107.077,
127.341

 91, 78.487,
125.345

 92, 66.732,
125.653

 93, 54.128,
126.082

■ 95, 41.014,
126.567

■ 96, 27.625,
127.065

■ 97, 14.121,
127.555

■ 99, 0.613, 128.214

■ 99, 2.473, 324.403

Harmonies

Complementary

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



90, 97.431, 125.508



46, 111.384, 311.825

Rectangle

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



90, 97.431, 125.508



90, 97.431, 175.508



90, 97.431, 305.508



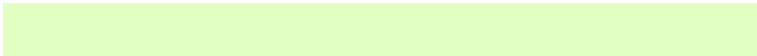
90, 97.431, 355.508

Sweetspot

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



90, 97.431, 125.509



97, 32.794, 126.888



70, 72.562, 61.734



51, 22.507, 126.710



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, 97.431, 125.509



90, 107.363, 126.990



87, 110.055, 136.682



52, 7.642, 127.601



69, 86.174, 127.053



23, 37.489, 125.609

Inverse Universe

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



46, 111.384, 311.825



41, 124.549, 311.218



60, 107.601, 326.887



48, 7.755, 308.458



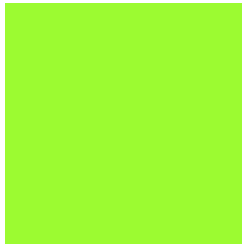
29, 100.158, 311.227



5, 43.213, 311.834

Previews

White Background



This preview shows how the CIE LCh color 90, 97.431, 125.508 looks on a white background.

Color Contrast Check

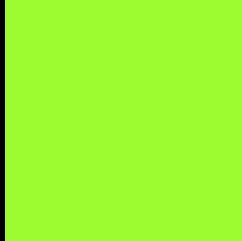
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 90, 97.431, 125.508 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, 97.431, 125.508

Background



This preview shows how black text looks on a background with the CIELCh color 90, 97.431, 125.508.



This preview shows how white text looks on a background with the CIELCh color 90, 97.431, 125.508.

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
90, 97.431, 125.508

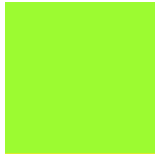
Protanopia
90, 83.536, 95.297

Deuteranopia
90, 29.069, 79.502

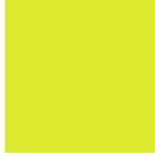


Tritanopia
90, 18.614, 228.865

Trichromacy



Original Color
90, 97.431, 125.508



Protanomaly
89, 85.214, 108.147

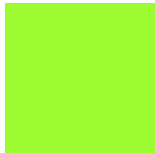


Deuteranomaly
89, 52.576, 111.169

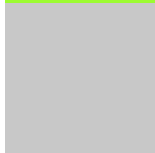


Tritanomaly
89, 40.354, 144.537

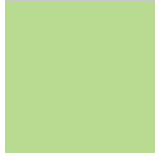
Monochromacy



Original Color
90, 97.431, 125.508



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 40.688, 126.511

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 97.431, 125.508 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(156, 251, 49)` looks like.

```
.text, #text, p{  
    color:rgb(156, 251, 49)  
}
```

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(156, 251, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 251, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 97.431, 125.508 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(156, 251, 49) }
```

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

```
.border{ border-color:rgb(156, 251, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 251, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 251, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 251, 49);  
box-shadow:4px 4px 4px 4px rgb(156, 251,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 97.431, 125.508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 251, 49) }
```

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

```
.background{ background-color: rgb(156,  
251, 49) }
```

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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