

Converting Colors

CIELCh(91, 103.275, 122.513)

Have a look what the booklet for
CIELCh(91, 103.275, 122.513)
contains.

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Color

CIELCh(91, 103.098, 122.477)

Conversions

Conversions Part 1

Format	Color
Hex	A5FD05
RGB	165, 253, 5
RGB Percent	65%, 99%, 2%
CMY	0.3517, 0.0066, 0.9796
CMYK	0.35, 0.00, 0.98, 0.01
HSL	81°, 99%, 51%
HSV	81°, 98%, 99%
XYZ	50.8296, 78.4833, 12.6182
YIQ	198.4160, 27.1600, -95.7840

Conversions

Conversions Part 2

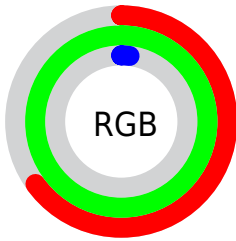
Format	Color
RYB	5, 253, 93
Decimal	10878213
CIELab	91.00, -55.36, 86.97
CIELCh	91, 103.098, 122.477
Yxy	78.4833, 0.3581, 0.5530
Android (android.graphics.Color)	4289068293 (0xFFA5FD05)
YUV	198.4160, -95.3541, -29.3058
Hunter-Lab	88.5908, -52.6184, 53.5687

Details

The CIELCh color **91, 103.098, 122.477** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **37, 127.229, 308.997**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 76.984, 113.171**, and **71, 88.656, 127.062** is the 20% darker color. If you saturate the color by 10%, you get **91, 103.697, 122.718**, and if you desaturate by 10%, it is **91, 99.379, 121.434**.

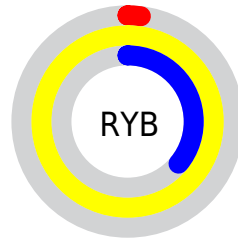
Distribution



Red (65%)

Green (99%)

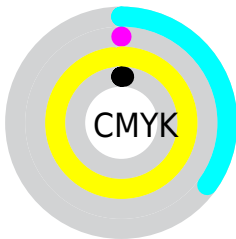
Blue (2%)



Red (2%)

Yellow (99%)

Blue (36%)

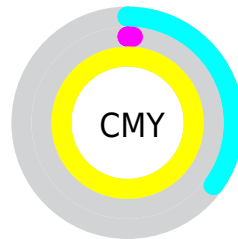


Cyan (35%)

Magenta (0%)

Yellow (98%)

Black (1%)



Cyan (35%)

Magenta (1%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 103.098, 122.477 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, 103.098, 122.477 by changing the saturation by 10% instead.

■ 91, 103.098,
122.477

■ 91, 103.098,
122.477

■ 100, 103.098,
122.477

■ 81, 103.098,
122.477

■ 71, 103.098,
122.477

■ 61, 103.098,
122.477

■ 51, 103.098,
122.477

■ 41, 103.098,
122.477

■ 31, 103.098,
122.477

■ 21, 103.098,

122.477

■ 11, 103.098,
122.477

■ 1, 103.098,
122.477

■ 91, 103.098,
122.477

■ 91, 103.098,
122.477

■ 91, 103.697,
122.718

■ 91, 99.379,
121.434

■ 92, 93.086,
120.879

■ 93, 84.428,
120.752

■ 93, 73.981,
120.932

■ 94, 62.317,
121.306

■ 95, 49.879,
121.791

■ 96, 36.978,
122.328

■ 97, 23.821,
122.881

■ 98, 10.549,
123.430

Harmonies

Complementary

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



91, 103.098, 122.477



37, 127.229, 308.997

Rectangle

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



91, 103.098, 122.477



91, 103.098, 172.477



91, 103.098, 302.477



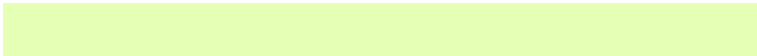
91, 103.098, 352.477

Sweetspot

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



91, 103.098, 122.478



97, 38.563, 122.270



60, 90.793, 49.712



51, 26.394, 122.038



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, 103.098, 122.478



91, 104.227, 122.724



87, 117.468, 135.273



53, 7.592, 123.345



71, 83.781, 122.452



24, 37.504, 120.960

Inverse Universe

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



37, 127.229, 308.997



37, 128.888, 308.912



54, 115.983, 322.473



49, 7.728, 304.354



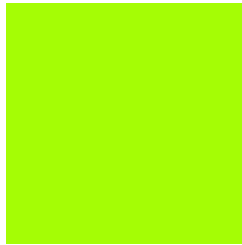
27, 103.593, 309.084



5, 44.843, 309.034

Previews

White Background



This preview shows how the CIE LCh color 91, 103.098, 122.477 looks on a white background.

Color Contrast Check

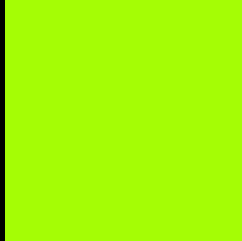
Large Text (above 18pt) WCAG AA × Fail

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, 103.098, 122.477 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, 103.098, 122.477

Background



This preview shows how black text looks on a background with the CIELCh color 91, 103.098, 122.477.

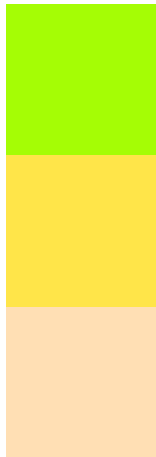


This preview shows how white text looks on a background with the CIELCh color 91, 103.098,

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, 103.031, 122.494

Protanopia

91, 75.332, 95.561

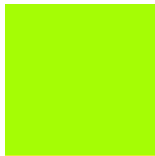
Deuteranopia

90, 25.627, 79.042



Tritanopia
91, 17.080, 234.113

Trichromacy



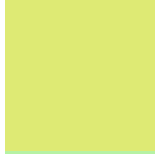
Original Color

91, 103.031, 122.494



Protanomaly

90, 85.432, 107.883



Deuteranomaly

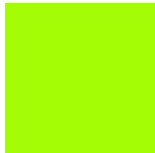
90, 58.927, 110.156



Tritanomaly

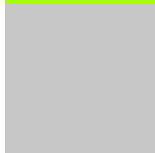
90, 45.823, 136.204

Monochromacy



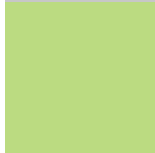
Original Color

91, 103.031, 122.494



Achromatopsia

80, 0.010, 296.813



Achromatomaly

83, 47.889, 121.682

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 103.098, 122.477 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(165, 253, 5)` looks like.

```
.text, #text, p{  
    color:rgb(165, 253, 5)  
}
```

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(165, 253, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 253, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 103.098, 122.477 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(165, 253, 5) }
```

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

```
.border{ border-color:rgb(165, 253, 5) }
```

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

Here you see how a box with a 4 pixel rgb(165, 253, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 253, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 253, 5);  
box-shadow:4px 4px 4px 4px rgb(165, 253,  
5) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 103.098, 122.477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 253, 5) }
```

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

```
.background{ background-color: rgb(165,  
253, 5) }
```

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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