

Converting Colors

CIELCh(91, 104.439, 127.011)

Have a look what the booklet for
CIELCh(91, 104.439, 127.011)
contains.

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Color

CIELCh(91, 103.936, 126.968)

Conversions

Conversions Part 1

Format	Color
Hex	91FF23
RGB	145, 255, 35
RGB Percent	57%, 100%, 14%
CMY	0.4302, 0.0000, 0.8623
CMYK	0.43, 0.00, 0.86, 0.00
HSL	90°, 100%, 57%
HSV	90°, 86%, 100%
XYZ	48.1922, 78.4833, 14.2072
YIQ	197.0300, 5.0600, -91.7400

Conversions

Conversions Part 2

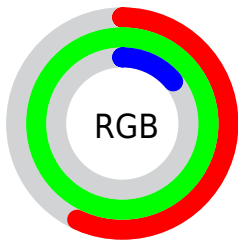
Format	Color
R_{YB}	35, 255, 145
Decimal	9568035
CIE _{Lab}	91.00, -62.50, 83.04
CIE _{LCh}	91, 103.936, 126.968
Yxy	78.4833, 0.3421, 0.5571
Android (android.graphics.Color)	4287758115 (0xFF91FF23)
YUV	197.0300, -79.8808, -45.6303
Hunter-Lab	88.5908, -57.9323, 52.5053

Details

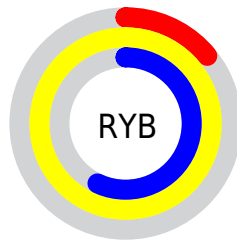
The CIELCh color **91, 103.936, 126.968** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **45, 117.516, 312.433**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 74.882, 119.748**, and **71, 92.387, 130.747** is the 20% darker color. If you saturate the color by 10%, you get **90, 108.101, 127.877**, and if you desaturate by 10%, it is **91, 96.078, 126.363**.

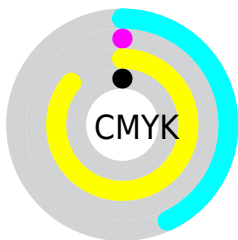
Distribution



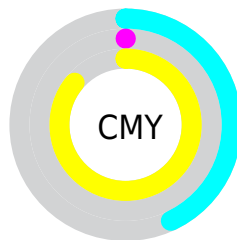
- Red (57%)
- Green (100%)
- Blue (14%)



- Red (14%)
- Yellow (100%)
- Blue (57%)



- Cyan (43%)
- Magenta (0%)
- Yellow (86%)
- Black (0%)





- Cyan (43%)
- Magenta (0%)
- Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 103.936, 126.968 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, 103.936, 126.968 by changing the saturation by 10% instead.


 91, 103.936,
126.968


 91, 103.936,
126.968


 100, 103.936,
126.968


 81, 103.936,
126.968


 71, 103.936,
126.968

 61, 103.936,
126.968

 51, 103.936,
126.968

 41, 103.936,
126.968

 31, 103.936,
126.968

 21, 103.936,

126.968

■ 11, 103.936,
126.968

■ 1, 103.936,
126.968

■ 91, 103.936,
126.968

■ 91, 103.936,
126.968

■ 90, 108.101,
127.877

■ 91, 96.078,
126.363

■ 90, 109.399,
128.332

■ 92, 86.461,
126.279

■ 93, 75.159,
126.482

■ 94, 62.730,
126.855

■ 95, 49.601,
127.315

■ 96, 36.069,
127.806

■ 98, 22.340,
128.296

■ 99, 8.555, 128.772

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, 103.936, 126.968



45, 117.516, 312.433

Rectangle

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



91, 103.936, 126.968



91, 103.936, 176.968



91, 103.936, 306.968



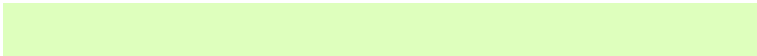
91, 103.936, 356.968

Sweetspot

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



91, 103.409, 126.867



96, 35.759, 127.817



70, 78.043, 62.065



51, 24.214, 127.646



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, 103.409, 126.867



90, 109.399, 128.332



88, 115.277, 136.451



53, 7.820, 128.617



69, 87.869, 128.047



23, 39.091, 126.496

Inverse Universe

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



45, 117.516, 312.433



41, 125.080, 311.649



61, 112.011, 327.528



49, 7.929, 309.450



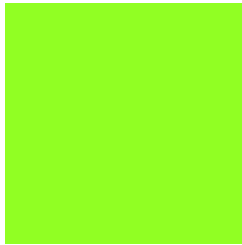
30, 100.556, 311.845



6, 44.902, 312.847

Previews

White Background



This preview shows how the CIE LCh color 91, 103.936, 126.968 looks on a white background.

Color Contrast Check

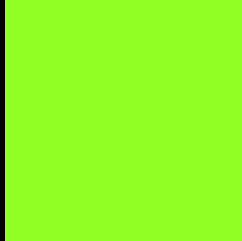
Large Text (above 18pt) WCAG AA × Fail

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, 103.936, 126.968 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, 103.936, 126.968

Background



This preview shows how black text looks on a background with the CIELCh color 91, 103.936, 126.968.



This preview shows how white text looks on a background with the CIELCh color 91, 103.936, 126.968.

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, 103.472, 126.907

Protanopia

90, 82.973, 95.026

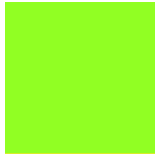
Deuteranopia

90, 27.232, 79.673



Tritanopia
90, 20.635, 225.458

Trichromacy



Original Color
91, 103.472, 126.907



Protanomaly
89, 86.781, 109.373



Deuteranomaly
89, 55.165, 113.712

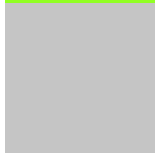


Tritanomaly
90, 45.454, 145.353

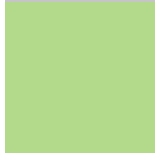
Monochromacy



Original Color
91, 103.472, 126.907



Achromatopsia
80, 0.010, 296.813



Achromatomaly
83, 44.253, 127.347

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 103.936, 126.968 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(145, 255, 35)` looks like.

```
.text, #text, p{  
    color:rgb(145, 255, 35)  
}
```

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(145, 255, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 255, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 103.936, 126.968 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(145, 255, 35) }
```

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

```
.border{ border-color:rgb(145, 255, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 255, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 255, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 255, 35);  
box-shadow:4px 4px 4px 4px rgb(145, 255,  
35) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 103.936, 126.968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 255, 35) }
```

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

```
.background{ background-color: rgb(145,  
255, 35) }
```

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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