

Converting Colors

CIELCh(93, 100.760, 117.413)

Have a look what the booklet for
CIELCh(93, 100.760, 117.413)
contains.

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Color

CIELCh(93, 100.615, 117.281)

Conversions

Conversions Part 1

Format	Color
Hex	C1FF02
RGB	193, 255, 2
RGB Percent	76%, 100%, 1%
CMY	0.2426, 0.0000, 0.9938
CMYK	0.24, 0.00, 0.99, 0.00
HSL	75°, 100%, 50%
HSV	75°, 99%, 100%
XYZ	57.8409, 82.9670, 13.0100
YIQ	207.6200, 44.2610, -91.8270

Conversions

Conversions Part 2

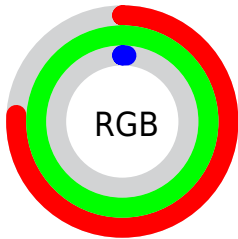
Format	Color
R _Y B	2, 255, 64
Decimal	12713730
CIE Lab	93.00, -46.12, 89.42
CIE LCh	93, 100.615, 117.281
Yxy	82.9670, 0.3760, 0.5394
Android (android.graphics.Color)	4290903810 (0xFFC1FF02)
YUV	207.6200, -101.3707, -12.8217
Hunter-Lab	91.0862, -46.0511, 55.2919

Details

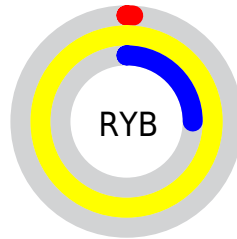
The CIELCh color **93, 100.615, 117.281** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **35, 130.985, 307.526**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 76.001, 104.685**, and **73, 85.272, 121.289** is the 20% darker color. If you saturate the color by 10%, you get **93, 100.709, 117.318**, and if you desaturate by 10%, it is **93, 97.606, 116.397**.

Distribution



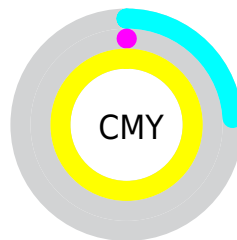
- Red (76%)
- Green (100%)
- Blue (1%)



- Red (1%)
- Yellow (100%)
- Blue (25%)



- Cyan (24%)
- Magenta (0%)
- Yellow (99%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 100.615, 117.281 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 93, 100.615, 117.281 by changing the saturation by 10% instead.


 93, 100.615,
117.281


 93, 100.615,
117.281


 100, 100.615,
117.281


 83, 100.615,
117.281


 73, 100.615,
117.281

 63, 100.615,
117.281

 53, 100.615,
117.281

 43, 100.615,
117.281

 33, 100.615,
117.281

 23, 100.615,

117.281

■ 13, 100.615,
117.281

■ 3, 100.615,
117.281

■ 93, 100.615,
117.281

■ 93, 100.615,
117.281

■ 93, 100.709,
117.318

■ 93, 97.606,
116.397

■ 94, 92.127,
115.955

■ 94, 84.157,
115.912

■ 95, 74.258,
116.164

■ 96, 63.025,
116.610

■ 96, 50.934,
117.174

■ 97, 38.317,
117.798

■ 98, 25.394,
118.447

■ 99, 12.313,
119.095

Harmonies

Complementary

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



93, 100.615, 117.281



35, 130.985, 307.526

Rectangle

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



93, 100.615, 117.281



93, 100.615, 167.281



93, 100.615, 297.281



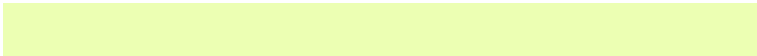
93, 100.615, 347.281

Sweetspot

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



93, 100.560, 117.260



97, 39.111, 117.758



57, 98.016, 44.107



51, 26.601, 117.491



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



93, 100.560, 117.260



93, 100.709, 117.318



88, 116.335, 133.912



53, 7.464, 119.087



72, 81.022, 117.097



25, 36.498, 115.904

Inverse Universe

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



35, 130.985, 307.526



35, 131.297, 307.523



49, 118.969, 318.305



49, 7.616, 300.313



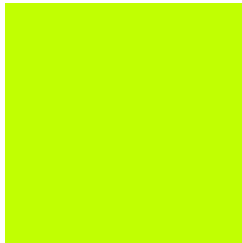
25, 105.554, 307.654



4, 44.646, 306.452

Previews

White Background



This preview shows how the CIE LCh color 93, 100.615, 117.281 looks on a white background.

Color Contrast Check

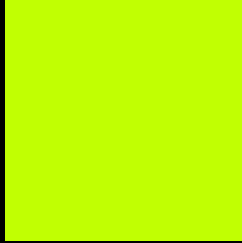
Large Text (above 18pt) WCAG AA × Fail

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 93, 100.615, 117.281 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 93, 100.615, 117.281

Background



This preview shows how black text looks on a background with the CIELCh color 93, 100.615, 117.281.

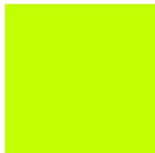


This preview shows how white text looks on a background with the CIELCh color 93, 100.615, 117.281.

Color Blindness Simulation

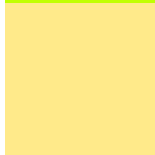
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



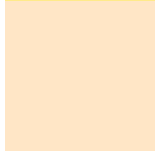
Original Color

93, 100.547, 117.295



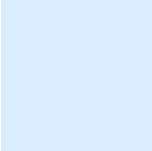
Protanopia

93, 49.281, 96.210



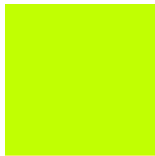
Deuteranopia

93, 19.071, 78.844



Tritanopia
93, 11.320, 254.563

Trichromacy



Original Color
93, 100.547, 117.295



Protanomaly
92, 73.810, 107.223



Deuteranomaly
92, 55.891, 108.186

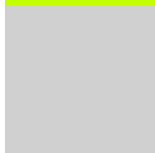


Tritanomaly
92, 43.345, 125.480

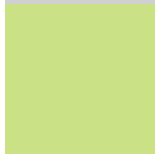
Monochromacy



Original Color
93, 100.547, 117.295



Achromatopsia
83, 0.010, 296.813



Achromatomaly
86, 47.682, 116.889

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 100.615, 117.281 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(193, 255, 2)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 2)  
}
```

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(193, 255, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 100.615, 117.281 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(193, 255, 2) }
```

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

```
.border{ border-color:rgb(193, 255, 2) }
```

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

Here you see how a box with a 4 pixel rgb(193, 255, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 255, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 255, 2);  
box-shadow:4px 4px 4px 4px rgb(193, 255,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 100.615, 117.281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 2) }
```

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

```
.background{ background-color: rgb(193,  
255, 2) }
```

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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