

Converting Colors

CIELCh(93, 101.054, 117.948)

Have a look what the booklet for
CIELCh(93, 101.054, 117.948)
contains.

CIELCh(93, 100.816, 117.928)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(93, 100.816, 117.928)

Conversions

Conversions Part 1

Format	Color
Hex	BFFF06
RGB	191, 255, 6
RGB Percent	75%, 100%, 2%
CMY	0.2523, 0.0000, 0.9781
CMYK	0.25, 0.00, 0.98, 0.00
HSL	75°, 100%, 51%
HSV	75°, 98%, 100%
XYZ	57.3912, 82.9670, 13.1487
YIQ	207.4780, 41.7850, -91.0070

Conversions

Conversions Part 2

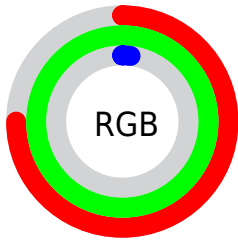
Format	Color
RYB	6, 255, 70
Decimal	12582662
CIELab	93.00, -47.22, 89.07
CIELCh	93, 100.816, 117.928
Yxy	82.9670, 0.3739, 0.5405
Android (android.graphics.Color)	4290772742 (0xFFBFFF06)
YUV	207.4780, -99.3287, -14.4512
Hunter-Lab	91.0862, -46.9324, 55.2016

Details

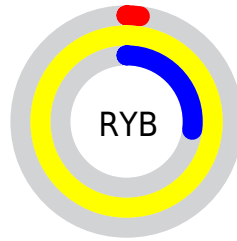
The CIELCh color **93, 100.816, 117.928** is a dark color, and the websafe version is hex **CCFF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **35, 129.933, 307.692**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 75.624, 105.339**, and **73, 85.548, 121.754** is the 20% darker color. If you saturate the color by 10%, you get **93, 101.109, 118.046**, and if you desaturate by 10%, it is **93, 97.250, 116.979**.

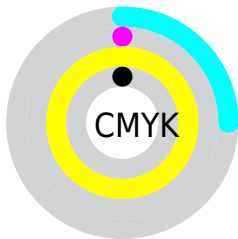
Distribution



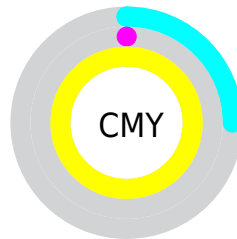
- Red (75%)
- Green (100%)
- Blue (2%)



- Red (2%)
- Yellow (100%)
- Blue (27%)



- Cyan (25%)
- Magenta (0%)
- Yellow (98%)
- Black (0%)



- Cyan (25%)
- Magenta (0%)
- Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 100.816, 117.928 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, 100.816, 117.928 by changing the saturation by 10% instead.

■ 93, 100.816,
117.928

■ 93, 100.816,
117.928

■ 100, 100.816,
117.928

■ 83, 100.816,
117.928

■ 73, 100.816,
117.928

■ 63, 100.816,
117.928

■ 53, 100.816,
117.928

■ 43, 100.816,
117.928

■ 33, 100.816,
117.928

■ 23, 100.816,

117.928

■ 13, 100.816,
117.928

■ 3, 100.816,
117.928

■ 93, 100.816,
117.928

■ 93, 100.816,
117.928

■ 93, 101.109,
118.046

■ 93, 97.250,
116.979

■ 94, 91.298,
116.577

■ 94, 82.936,
116.565

■ 95, 72.748,
116.836

■ 96, 61.315,
117.291

■ 96, 49.088,
117.853

■ 97, 36.378,
118.469

■ 98, 23.392,
119.105

■ 99, 10.269,
119.737

Harmonies

Complementary

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



93, 100.816, 117.928



35, 129.933, 307.692

Rectangle

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



93, 100.816, 117.928



93, 100.816, 167.928



93, 100.816, 297.928



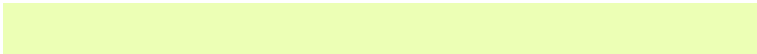
93, 100.816, 347.928

Sweetspot

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



93, 100.568, 117.831



97, 37.910, 118.394



57, 96.134, 44.829



51, 25.937, 118.129



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, 100.568, 117.831



93, 101.109, 118.046



88, 116.194, 134.070



53, 7.478, 119.631



72, 81.334, 117.817



24, 36.610, 116.574

Inverse Universe

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



35, 129.933, 307.692



35, 131.032, 307.665



50, 118.204, 318.960



49, 7.628, 300.826



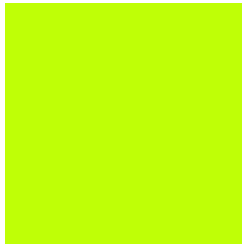
25, 105.336, 307.802



4, 44.674, 306.754

Previews

White Background



This preview shows how the CIE LCh color 93, 100.816, 117.928 looks on a white background.

Color Contrast Check

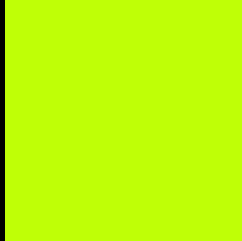
Large Text (above 18pt) WCAG AA × Fail

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, 100.816, 117.928 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, 100.816, 117.928

Background



This preview shows how black text looks on a background with the CIELCh color 93, 100.816, 117.928.



This preview shows how white text looks on a background with the CIELCh color 93, 100.816, 117.928.

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, 100.502, 117.765

Protanopia

92, 51.172, 96.393

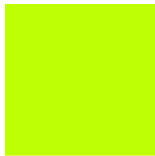
Deuteranopia

93, 19.525, 79.523



Tritanopia
93, 11.903, 250.672

Trichromacy



Original Color
93, 100.502, 117.765



Protanomaly
92, 74.215, 107.498

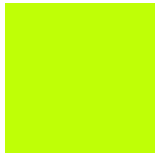


Deuteranomaly
92, 55.911, 108.600

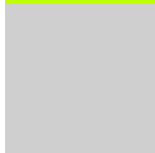


Tritanomaly
92, 43.140, 126.624

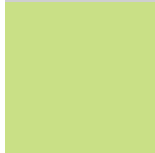
Monochromacy



Original Color
93, 100.502, 117.765



Achromatopsia
83, 0.010, 296.813



Achromatomaly
86, 46.842, 117.627

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 100.816, 117.928 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(191, 255, 6)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 6)  
}
```

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(191, 255, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 100.816, 117.928 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(191, 255, 6) }
```

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

```
.border{ border-color:rgb(191, 255, 6) }
```

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

Here you see how a box with a 4 pixel rgb(191, 255, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 6);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
6) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 100.816, 117.928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 6) }
```

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

```
.background{ background-color: rgb(191,  
255, 6) }
```

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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