

Converting Colors

CIELCh(91, 83.090, 116.804)

Have a look what the booklet for
CIELCh(91, 83.090, 116.804)
contains.

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Color

CIELCh(91, 83.292, 116.825)

Conversions

Conversions Part 1

Format	Color
Hex	C8F648
RGB	200, 246, 72
RGB Percent	78%, 96%, 28%
CMY	0.2166, 0.0362, 0.7186
CMYK	0.19, 0.00, 0.71, 0.04
HSL	76°, 90%, 62%
HSV	76°, 71%, 96%
XYZ	57.8040, 78.4833, 18.1915
YIQ	212.4100, 28.4380, -63.8660

Conversions

Conversions Part 2

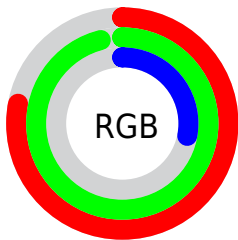
Format	Color
R_YB	72, 246, 118
Decimal	13170248
CIE Lab	91.00, -37.59, 74.33
CIE LCh	91, 83.292, 116.825
Yxy	78.4833, 0.3742, 0.5081
Android (android.graphics.Color)	4291360328 (0xFFC8F648)
YUV	212.4100, -69.2221, -10.8836
Hunter-Lab	88.5908, -38.5658, 49.8388

Details

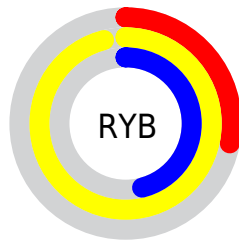
The CIELCh color **91, 83.292, 116.825** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light washed yellow. A complement of this color would be **46, 100.088, 306.732**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 61.322, 105.484**, and **71, 80.814, 117.535** is the 20% darker color. If you saturate the color by 10%, you get **90, 90.817, 116.950**, and if you desaturate by 10%, it is **92, 73.830, 117.019**.

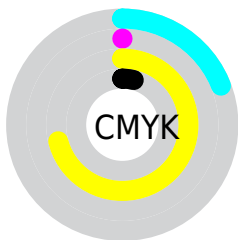
Distribution



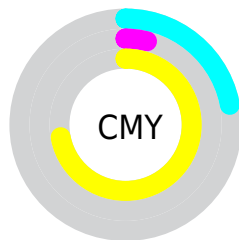
- Red (78%)
- Green (96%)
- Blue (28%)



- Red (28%)
- Yellow (96%)
- Blue (46%)



- Cyan (19%)
- Magenta (0%)
- Yellow (71%)
- Black (4%)



- Cyan (22%)
- Magenta (4%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 83.292, 116.825 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, 83.292, 116.825 by changing the saturation by 10% instead.

■ 91, 83.292,
116.825

■ 91, 83.292,
116.825

■ 100, 83.292,
116.825

■ 81, 83.292,
116.825

■ 71, 83.292,
116.825

■ 61, 83.292,
116.825

■ 51, 83.292,
116.825

■ 41, 83.292,
116.825

■ 31, 83.292,
116.825

■ 21, 83.292,

116.825

■ 11, 83.292,
116.825

■ 1, 83.292, 116.825

■ 91, 83.292,
116.825

■ 91, 83.292,
116.825

■ 90, 90.817,
116.950

■ 92, 73.830,
117.019

■ 90, 95.888,
117.491

■ 92, 63.012,
117.422

■ 90, 98.495,
118.352

■ 93, 51.315,
117.952

■ 94, 39.076,
118.550

95, 26.521,
119.175

96, 13.800,
119.802

97, 1.014, 120.450

97, 5.185, 314.179

98, 5.743, 324.588

Harmonies

Complementary

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



91, 83.292, 116.825



46, 100.088, 306.732

Rectangle

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



91, 83.292, 116.825



91, 83.292, 166.825



91, 83.292, 296.825



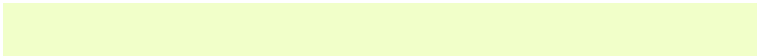
91, 83.292, 346.825

Sweetspot

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



91, 83.293, 116.827



98, 27.583, 119.160



64, 66.767, 44.990



52, 18.649, 118.986



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, 83.293, 116.827



93, 95.995, 117.130



87, 95.079, 133.527



51, 7.238, 119.884



70, 79.848, 118.120



22, 34.217, 117.089

Inverse Universe

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



46, 100.088, 306.732



40, 120.568, 307.717



56, 97.935, 319.797



47, 7.382, 301.060



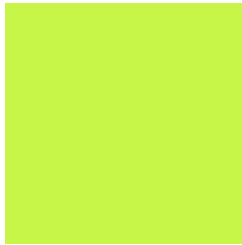
24, 103.113, 307.890



4, 40.720, 305.762

Previews

White Background



This preview shows how the CIELCh color 91, 83.292, 116.825 looks on a white background.

Color Contrast Check

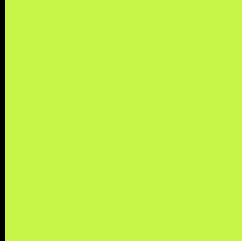
Large Text (above 18pt) WCAG AA × Fail

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 91, 83.292, 116.825 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, 83.292, 116.825

Background



This preview shows how black text looks on a background with the CIELCh color 91, 83.292, 116.825.

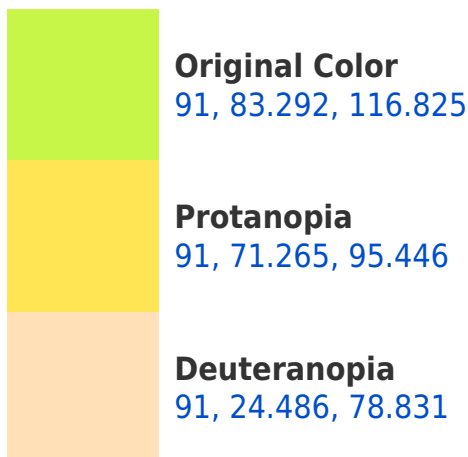


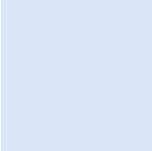
This preview shows how white text looks on a background with the CIELCh color 91, 83.292, 116.825.

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



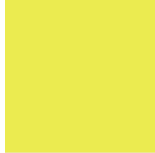


Tritanopia
91, 10.360, 271.800

Trichromacy



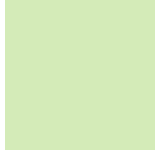
Original Color
91, 83.292, 116.825



Protanomaly
91, 74.068, 104.167



Deuteranomaly
90, 45.143, 104.937

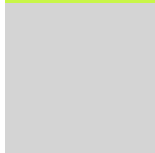


Tritanomaly
90, 27.642, 126.302

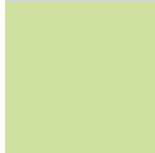
Monochromacy



Original Color
91, 83.292, 116.825



Achromatopsia
85, 0.010, 296.813



Achromatomaly
87, 33.098, 118.297

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 83.292, 116.825 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(200, 246, 72)` looks like.

```
.text, #text, p{  
    color:rgb(200, 246, 72)  
}
```

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(200, 246, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 246, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 83.292, 116.825 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(200, 246, 72) }
```

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

```
.border{ border-color:rgb(200, 246, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 246, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 246, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 246, 72);  
box-shadow:4px 4px 4px 4px rgb(200, 246,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 83.292, 116.825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 246, 72) }
```

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

```
.background{ background-color: rgb(200,  
246, 72) }
```

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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