

Converting Colors

CIELCh(91, 86.508, 114.914)

Have a look what the booklet for
CIELCh(91, 86.508, 114.914)
contains.

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Color

CIELCh(91, 86.428, 114.779)

Conversions

Conversions Part 1

Format	Color
Hex	CCF53B
RGB	204, 245, 59
RGB Percent	80%, 96%, 23%
CMY	0.1999, 0.0391, 0.7684
CMYK	0.17, 0.00, 0.76, 0.04
HSL	73°, 90%, 60%
HSV	73°, 76%, 96%
XYZ	58.3638, 78.4833, 16.2157
YIQ	211.5370, 35.2700, -66.5380

Conversions

Conversions Part 2

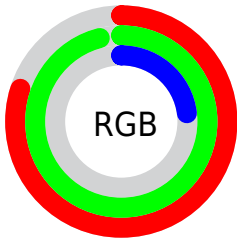
Format	Color
RYB	59, 245, 100
Decimal	13432123
CIELab	91.00, -36.22, 78.47
CIELCh	91, 86.428, 114.779
Yxy	78.4833, 0.3813, 0.5128
Android (android.graphics.Color)	4291622203 (0xFFCCCF53B)
YUV	211.5370, -75.2007, -6.6099
Hunter-Lab	88.5908, -37.4377, 51.1611

Details

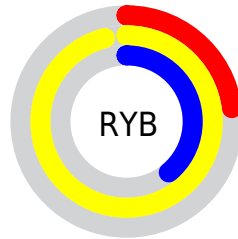
The CIELCh color **91, 86.428, 114.779** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **42, 106.975, 306.343**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 65.737, 105.148**, and **71, 80.063, 116.493** is the 20% darker color. If you saturate the color by 10%, you get **91, 92.577, 115.015**, and if you desaturate by 10%, it is **91, 78.037, 114.895**.

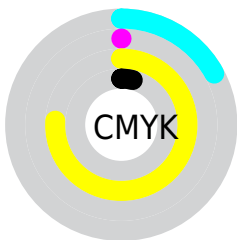
Distribution



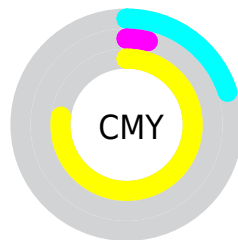
- Red (80%)
- Green (96%)
- Blue (23%)



- Red (23%)
- Yellow (96%)
- Blue (39%)



- Cyan (17%)
- Magenta (0%)
- Yellow (76%)
- Black (4%)





- Cyan (20%)
- Magenta (4%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 86.428, 114.779 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, 86.428, 114.779 by changing the saturation by 10% instead.


 91, 86.428,
114.779


 91, 86.428,
114.779


 100, 86.428,
114.779


 81, 86.428,
114.779

 71, 86.428,
114.779

 61, 86.428,
114.779

 51, 86.428,
114.779

 41, 86.428,
114.779

 31, 86.428,
114.779

 21, 86.428,

114.779

■ 11, 86.428,
114.779

■ 1, 86.428, 114.779

■ 91, 86.428,
114.779

■ 91, 86.428,
114.779

■ 91, 92.577,
115.015

■ 91, 78.037,
114.895

■ 90, 96.135,
115.673

■ 92, 67.990,
115.257

■ 90, 97.079,
116.025

■ 93, 56.829,
115.780

■ 93, 44.962,
116.394

94, 32.670,
117.055

95, 20.135,
117.729

96, 7.480, 118.399

97, 5.172, 299.102

97, 5.778, 317.870

Harmonies

Complementary

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



91, 86.428, 114.779



42, 106.975, 306.343

Rectangle

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



91, 86.428, 114.779



91, 86.428, 164.779



91, 86.428, 294.779



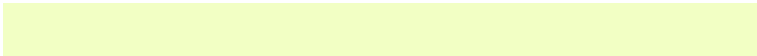
91, 86.428, 344.779

Sweetspot

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



91, 86.428, 114.781



98, 30.002, 117.247



61, 73.618, 43.050



52, 20.728, 117.003



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, 86.428, 114.781



94, 97.688, 115.309



87, 98.820, 132.658



51, 7.197, 118.160



70, 78.906, 115.823



23, 33.902, 114.946

Inverse Universe

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



42, 106.975, 306.343



37, 126.603, 307.295



53, 102.704, 318.752



47, 7.346, 299.436



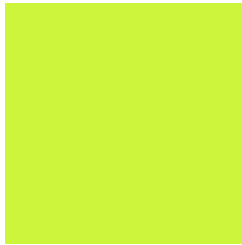
24, 103.774, 307.436



4, 40.572, 304.700

Previews

White Background



This preview shows how the CIELCh color 91, 86.428, 114.779 looks on a white background.

Color Contrast Check

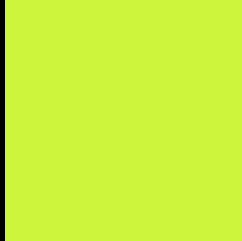
Large Text (above 18pt) WCAG AA × Fail

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, 86.428, 114.779 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, 86.428, 114.779

Background



This preview shows how black text looks on a background with the CIELCh color 91, 86.428, 114.779.



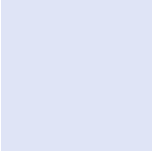
This preview shows how white text looks on a background with the CIELCh color 91, 86.428, 114.779.

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](#).

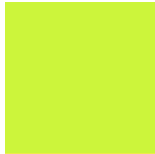
Dichromacy





Tritanopia
91, 9.468, 280.500

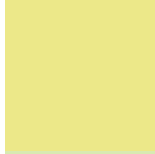
Trichromacy



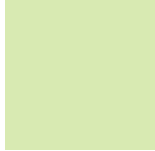
Original Color
91, 86.428, 114.779



Protanomaly
91, 75.883, 103.706



Deuteranomaly
90, 48.057, 104.297

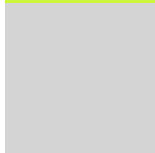


Tritanomaly
90, 29.563, 121.257

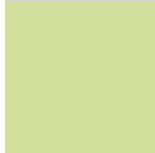
Monochromacy



Original Color
91, 86.428, 114.779



Achromatopsia
85, 0.010, 296.813



Achromatomaly
87, 35.506, 116.772

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 86.428, 114.779 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(204, 245, 59)` looks like.

```
.text, #text, p{  
    color:rgb(204, 245, 59)  
}
```

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(204, 245, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 245, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 86.428, 114.779 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(204, 245, 59) }
```

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

```
.border{ border-color:rgb(204, 245, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 245, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 245, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 245, 59);  
box-shadow:4px 4px 4px 4px rgb(204, 245,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 86.428, 114.779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 245, 59) }
```

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

```
.background{ background-color: rgb(204,  
245, 59) }
```

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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