

Converting Colors

CIELCh(93, 86.675, 111.320)

Have a look what the booklet for
CIELCh(93, 86.675, 111.320)
contains.

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Color

CIELCh(93, 86.455, 111.230)

Conversions

Conversions Part 1

Format	Color
Hex	DCF83B
RGB	220, 248, 59
RGB Percent	86%, 97%, 23%
CMY	0.1357, 0.0259, 0.7668
CMYK	0.11, 0.00, 0.76, 0.03
HSL	69°, 93%, 60%
HSV	69°, 76%, 97%
XYZ	64.1210, 82.9670, 16.8343
YIQ	218.0820, 43.9810, -64.7150

Conversions

Conversions Part 2

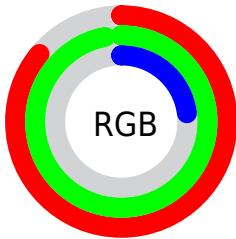
Format	Color
RYB	59, 248, 87
Decimal	14481467
CIELab	93.00, -31.31, 80.59
CIELCh	93, 86.455, 111.230
Yxy	82.9670, 0.3912, 0.5061
Android (android.graphics.Color)	4292671547 (0xFFDC83B)
YUV	218.0820, -78.4274, 1.6821
Hunter-Lab	91.0862, -33.7443, 52.8025

Details

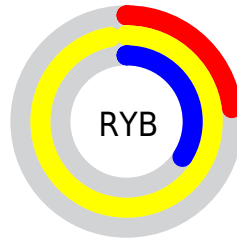
The CIELCh color **93, 86.455, 111.230** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **41, 109.056, 305.162**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 65.303, 105.181**, and **73, 79.669, 112.574** is the 20% darker color. If you saturate the color by 10%, you get **93, 92.393, 111.290**, and if you desaturate by 10%, it is **93, 78.206, 111.479**.

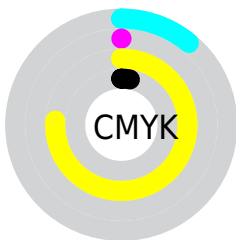
Distribution



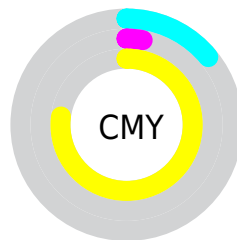
- Red (86%)
- Green (97%)
- Blue (23%)



- Red (23%)
- Yellow (97%)
- Blue (34%)



- Cyan (11%)
- Magenta (0%)
- Yellow (76%)
- Black (3%)





- Cyan (14%)
- Magenta (3%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 86.455, 111.230 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, 86.455, 111.230 by changing the saturation by 10% instead.


 93, 86.455,
111.230


 93, 86.455,
111.230


 100, 86.455,
111.230


 83, 86.455,
111.230

 73, 86.455,
111.230

 63, 86.455,
111.230

 53, 86.455,
111.230

 43, 86.455,
111.230

 33, 86.455,
111.230

 23, 86.455,

111.230

■ 13, 86.455,
111.230

■ 3, 86.455, 111.230

■ 93, 86.455,
111.230

■ 93, 86.455,
111.230

■ 93, 92.393,
111.290

■ 93, 78.206,
111.479

■ 92, 95.675,
111.711

■ 94, 68.240,
111.949

■ 92, 96.473,
111.944

■ 94, 57.119,
112.565

■ 95, 45.264,
113.267

■ 96, 32.962,
114.015

■ 96, 20.402,
114.778

■ 97, 7.710, 115.535

■ 98, 3.428, 298.897

■ 98, 3.846, 318.129

Harmonies

Complementary

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



93, 86.455, 111.230



41, 109.056, 305.162

Rectangle

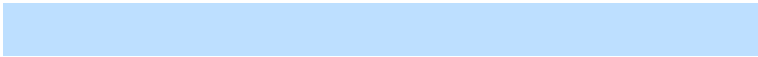
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 86.455, 111.230



93, 86.455, 161.230



93, 86.455, 291.230



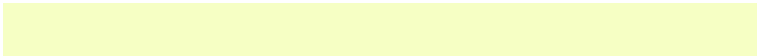
93, 86.455, 341.230

Sweetspot

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



93, 86.455, 111.232



98, 29.765, 114.246



59, 77.959, 38.362



52, 20.561, 113.970



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, 86.455, 111.232



95, 96.286, 111.456



88, 97.740, 130.536



52, 7.266, 115.276



72, 78.440, 111.800



24, 34.710, 111.129

Inverse Universe

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



41, 109.056, 305.162



35, 127.725, 306.548



51, 104.448, 316.253



48, 7.425, 296.741



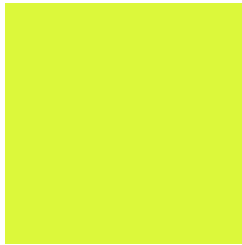
23, 105.723, 306.868



4, 42.434, 303.921

Previews

White Background



This preview shows how the CIELCh color 93, 86.455, 111.230 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 93, 86.455, 111.230 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, 86.455, 111.230

Background



This preview shows how black text looks on a background with the CIELCh color 93, 86.455, 111.230.



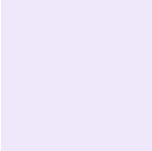
This preview shows how white text looks on a background with the CIELCh color 93, 86.455, 111.230.

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](#).

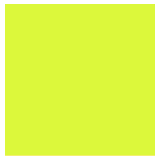
Dichromacy



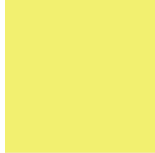


Tritanopia
93, 9.564, 303.443

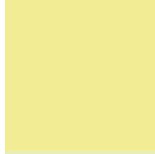
Trichromacy



Original Color
93, 86.455, 111.230



Protanomaly
93, 63.028, 104.380



Deuteranomaly
92, 44.543, 104.006

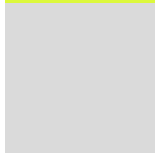


Tritanomaly
92, 29.196, 112.365

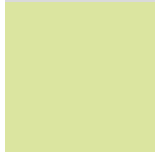
Monochromacy



Original Color
93, 86.455, 111.230



Achromatopsia
87, 0.010, 296.813



Achromatomaly
89, 35.577, 113.579

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 86.455, 111.230 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(220, 248, 59)` looks like.

```
.text, #text, p{  
    color:rgb(220, 248, 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(220, 248, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 248, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 86.455, 111.230 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(220, 248, 59) }
```

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

```
.border{ border-color:rgb(220, 248, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 248, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 248, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 248, 59);  
box-shadow:4px 4px 4px 4px rgb(220, 248,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 86.455, 111.230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 248, 59) }
```

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

```
.background{ background-color: rgb(220,  
248, 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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