

Converting Colors

CIELCh(96, 85.099, 109.866)

Have a look what the booklet for
CIELCh(96, 85.099, 109.866)
contains.

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Color

CIELCh(96, 84.592, 109.643)

Conversions

Conversions Part 1

Format	Color
Hex	EBFF49
RGB	235, 255, 73
RGB Percent	92%, 100%, 29%
CMY	0.0798, 0.0000, 0.7149
CMYK	0.08, 0.00, 0.71, 0.00
HSL	67°, 100%, 64%
HSV	67°, 71%, 100%
XYZ	71.3051, 90.0078, 19.8656
YIQ	228.2720, 46.5020, -60.8420

Conversions

Conversions Part 2

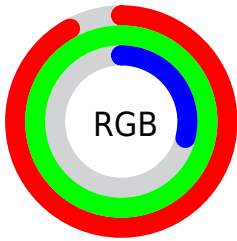
Format	Color
RYB	73, 255, 93
Decimal	15466313
CIELab	96.00, -28.44, 79.67
CIELCh	96, 84.592, 109.643
Yxy	90.0078, 0.3936, 0.4968
Android (android.graphics.Color)	4293656393 (0xFFEBFF49)
YUV	228.2720, -76.5491, 5.9005
Hunter-Lab	94.8724, -31.8681, 53.9958

Details

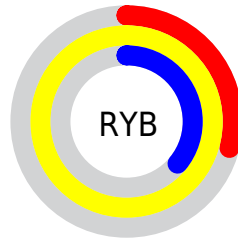
The CIELCh color **96, 84.592, 109.643** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **45, 105.215, 303.944**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 60.423, 105.553**, and **76, 80.868, 109.953** is the 20% darker color. If you saturate the color by 10%, you get **96, 91.443, 109.308**, and if you desaturate by 10%, it is **96, 75.118, 109.922**.

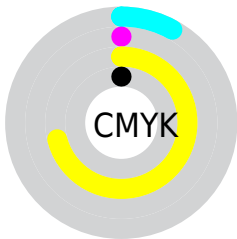
Distribution



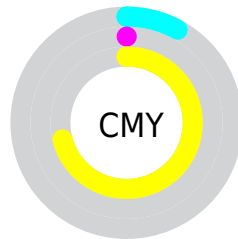
- Red (92%)
- Green (100%)
- Blue (29%)



- Red (29%)
- Yellow (100%)
- Blue (36%)



- Cyan (8%)
- Magenta (0%)
- Yellow (71%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 84.592, 109.643 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 96, 84.592, 109.643 by changing the saturation by 10% instead.


 96, 84.592,
109.643


 96, 84.592,
109.643


 100, 84.592,
109.643

 86, 84.592,
109.643

 76, 84.592,
109.643

 66, 84.592,
109.643

 56, 84.592,
109.643

 46, 84.592,
109.643

 36, 84.592,
109.643

 26, 84.592,

109.643

■ 16, 84.592,
109.643

■ 6, 84.592, 109.643

■ 96, 84.592,
109.643

■ 96, 84.592,
109.643

■ 96, 91.443,
109.308

■ 96, 75.118,
109.922

■ 95, 95.915,
109.436

■ 97, 64.403,
110.525

■ 95, 97.793,
109.780

■ 97, 52.711,
111.240

■ 98, 40.411,
112.018

■ 98, 27.748,
112.826

■ 99, 14.884,
113.639

■ 100, 1.922,
114.429

■ 100, 0.012,
296.813

Harmonies

Complementary

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



96, 84.592, 109.643



45, 105.215, 303.944

Rectangle

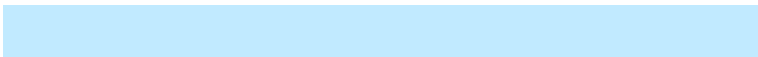
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 84.592, 109.643



96, 84.592, 159.643



96, 84.592, 289.643



96, 84.592, 339.643

Sweetspot

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



96, 84.338, 109.491



98, 27.123, 112.866



61, 75.529, 35.751



52, 18.333, 112.641



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



96, 84.338, 109.491



95, 93.804, 109.325



91, 94.530, 129.553



53, 7.368, 113.799



73, 78.744, 109.665



25, 35.718, 109.106

Inverse Universe

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



45, 105.215, 303.944



37, 123.764, 305.856



54, 101.937, 315.288



49, 7.532, 295.371



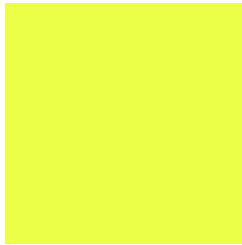
23, 107.132, 306.661



4, 44.384, 303.931

Previews

White Background



This preview shows how the CIELCh color 96, 84.592, 109.643 looks on a white background.

Color Contrast Check

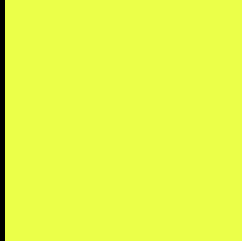
Large Text (above 18pt) WCAG AA × Fail

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 96, 84.592, 109.643 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 96, 84.592, 109.643

Background



This preview shows how black text looks on a background with the CIELCh color 96, 84.592, 109.643.



This preview shows how white text looks on a background with the CIELCh color 96, 84.592, 109.643.

Color Blindness Simulation

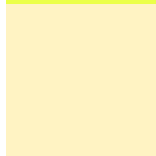
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



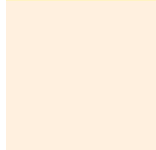
Original Color

96, 84.228, 109.411



Protanopia

96, 24.862, 97.646



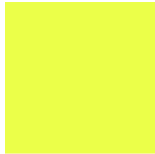
Deuteranopia

96, 10.275, 77.102

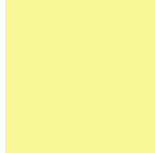


Tritanopia
96, 9.261, 317.538

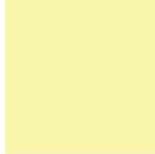
Trichromacy



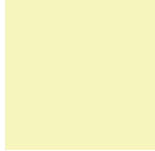
Original Color
96, 84.228, 109.411



Protanomaly
95, 48.070, 105.937

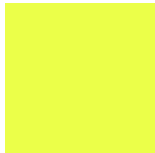


Deuteranomaly
95, 38.903, 105.387

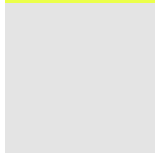


Tritanomaly
95, 28.436, 107.950

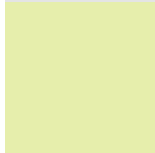
Monochromacy



Original Color
96, 84.228, 109.411



Achromatopsia
91, 0.011, 296.813



Achromatomaly
92, 33.770, 112.742

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 84.592, 109.643 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(235, 255, 73)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 73)  
}
```

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(235, 255, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 84.592, 109.643 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(235, 255, 73) }
```

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

```
.border{ border-color:rgb(235, 255, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 255, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 73);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 84.592, 109.643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 73) }
```

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

```
.background{ background-color: rgb(235,  
255, 73) }
```

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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