

Converting Colors

CIELCh(96, 70.150, 113.033)

Have a look what the booklet for
CIELCh(96, 70.150, 113.033)
contains.

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Color

CIELCh(96, 69.876, 112.853)

Conversions

Conversions Part 1

Format	Color
Hex	E7FF70
RGB	231, 255, 112
RGB Percent	91%, 100%, 44%
CMY	0.0925, 0.0000, 0.5593
CMYK	0.09, 0.00, 0.56, 0.00
HSL	70°, 100%, 72%
HSV	70°, 56%, 100%
XYZ	71.9183, 90.0078, 29.0223
YIQ	231.5220, 31.5990, -49.5610

Conversions

Conversions Part 2

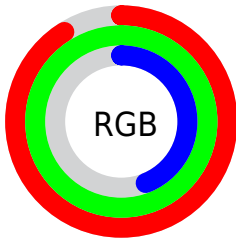
Format	Color
RYB	112, 255, 136
Decimal	15204208
CIELab	96.00, -27.14, 64.39
CIELCh	96, 69.876, 112.853
Yxy	90.0078, 0.3766, 0.4714
Android (android.graphics.Color)	4293394288 (0xFFE7FF70)
YUV	231.5220, -58.9243, -0.4578
Hunter-Lab	94.8724, -30.7143, 48.2734

Details

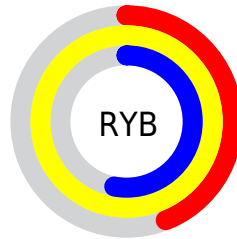
The CIELCh color **96, 69.876, 112.853** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **56, 81.094, 302.691**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 43.504, 106.854**, and **76, 69.685, 112.688** is the 20% darker color. If you saturate the color by 10%, you get **95, 79.915, 112.308**, and if you desaturate by 10%, it is **96, 58.296, 113.344**.

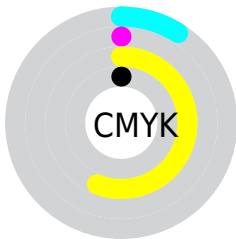
Distribution



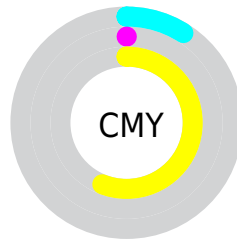
- Red (91%)
- Green (100%)
- Blue (44%)



- Red (44%)
- Yellow (100%)
- Blue (53%)



- Cyan (9%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 69.876, 112.853 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, 69.876, 112.853 by changing the saturation by 10% instead.


 96, 69.876,
112.853


 96, 69.876,
112.853


 100, 69.876,
112.853


 86, 69.876,
112.853

 76, 69.876,
112.853

 66, 69.876,
112.853

 56, 69.876,
112.853

 46, 69.876,
112.853

 36, 69.876,
112.853

 26, 69.876,

112.853

■ 16, 69.876,
112.853

■ 6, 69.876, 112.853

■ 96, 69.876,
112.853

■ 96, 69.876,
112.853

■ 95, 79.915,
112.308

■ 96, 58.296,
113.344

■ 95, 88.390,
112.096

■ 97, 46.154,
114.025

■ 95, 94.510,
112.201

■ 98, 33.559,
114.752

■ 94, 97.921,
112.687

■ 99, 20.704,
115.494

■ 94, 98.763,
112.961

■ 99, 7.716, 116.229
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, 69.876, 112.853



56, 81.094, 302.691

Rectangle

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



96, 69.876, 112.853



96, 69.876, 162.853



96, 69.876, 292.853



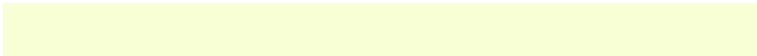
96, 69.876, 342.853

Sweetspot

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



96, 69.693, 112.751



99, 22.089, 115.414



69, 54.734, 36.356



52, 14.764, 115.265



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, 69.693, 112.751



95, 80.917, 112.273



92, 78.137, 131.417



53, 7.399, 115.968



73, 79.501, 112.798



25, 35.970, 111.950

Inverse Universe

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



56, 81.094, 302.691



48, 98.185, 304.262



63, 82.163, 316.474



49, 7.559, 297.389



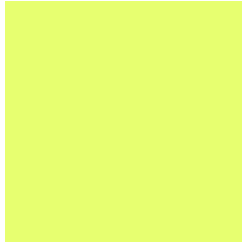
24, 106.607, 306.977



4, 44.490, 304.898

Previews

White Background



This preview shows how the CIELCh color 96, 69.876, 112.853 looks on a white background.

Color Contrast Check

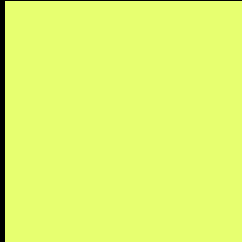
Large Text (above 18pt) WCAG AA × Fail

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, 69.876, 112.853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

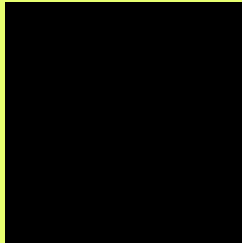
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 69.876, 112.853

Background



This preview shows how black text looks on a background with the CIELCh color 96, 69.876, 112.853.

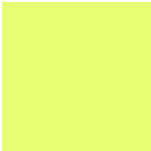


This preview shows how white text looks on a background with the CIELCh color 96, 69.876, 112.853.

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, 69.876, 112.853
	Protanopia 96, 23.865, 97.307
	Deuteranopia 96, 9.631, 77.413

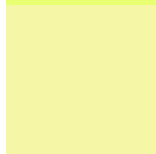


Tritanopia
96, 8.010, 305.783

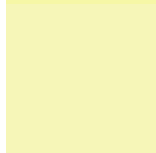
Trichromacy



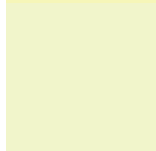
Original Color
96, 69.876, 112.853



Protanomaly
96, 40.801, 107.537



Deuteranomaly
96, 31.419, 107.721

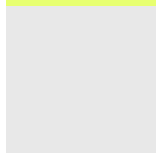


Tritanomaly
95, 21.445, 112.504

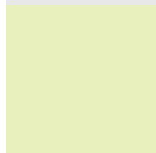
Monochromacy



Original Color
96, 69.876, 112.853



Achromatopsia
92, 0.011, 296.813



Achromatomaly
93, 26.224, 114.747

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 69.876, 112.853 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(231, 255, 112)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 112)  
}
```

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(231, 255, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 69.876, 112.853 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(231, 255, 112) }
```

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

```
.border{ border-color:rgb(231, 255, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 255, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 112);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 69.876, 112.853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 112) }
```

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

```
.background{ background-color: rgb(231,  
255, 112) }
```

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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