

Converting Colors

CIELCh(100, 76.583, 113.199)

Have a look what the booklet for
CIELCh(100, 76.583, 113.199)
contains.

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Color

CIELCh(96, 70.680, 109.741)

Conversions

Conversions Part 1

Format	Color
Hex	EF FE 6C
RGB	239, 254, 108
RGB Percent	94%, 100%, 42%
CMY	0.0643, 0.0053, 0.5777
CMYK	0.06, 0.00, 0.58, 0.01
HSL	66°, 98%, 71%
HSV	66°, 58%, 99%
XYZ	73.4751, 90.0078, 27.6019
YIQ	232.8710, 37.9260, -48.5860

Conversions

Conversions Part 2

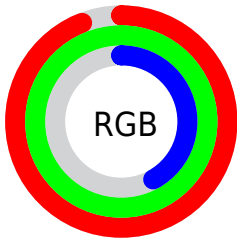
Format	Color
RYB	108, 254, 123
Decimal	15728236
CIELab	96.00, -23.87, 66.53
CIELCh	96, 70.680, 109.741
Yxy	90.0078, 0.3845, 0.4710
Android (android.graphics.Color)	4293918316 (0xFFE66C)
YUV	232.8710, -61.5614, 5.3751
Hunter-Lab	94.8724, -27.7852, 49.1611

Details

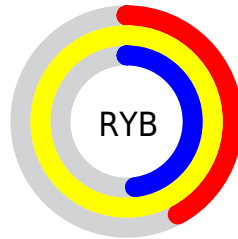
The CIELCh color **96, 70.680, 109.741** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **54, 83.350, 301.447**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 45.438, 106.705**, and **76, 70.485, 109.692** is the 20% darker color. If you saturate the color by 10%, you get **96, 80.510, 109.220**, and if you desaturate by 10%, it is **96, 59.584, 110.411**.

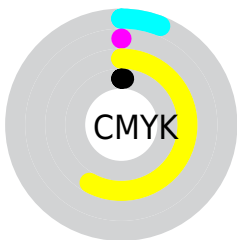
Distribution



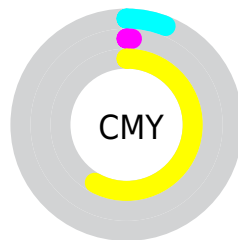
- Red (94%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (48%)



- Cyan (6%)
- Magenta (0%)
- Yellow (58%)
- Black (1%)





- Cyan (6%)
- Magenta (1%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 70.680, 109.741 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, 70.680, 109.741 by changing the saturation by 10% instead.


 96, 70.680,
109.741


 96, 70.680,
109.741


 100, 70.680,
109.741


 86, 70.680,
109.741

 76, 70.680,
109.741

 66, 70.680,
109.741

 56, 70.680,
109.741

 46, 70.680,
109.741

 36, 70.680,
109.741

 26, 70.680,

109.741

■ 16, 70.680,
109.741

■ 6, 70.680, 109.741

■ 96, 70.680,
109.741

■ 96, 70.680,
109.741

■ 96, 80.510,
109.220

■ 96, 59.584,
110.411

■ 95, 88.479,
108.910

■ 97, 47.675,
111.167

■ 95, 93.995,
108.881

■ 98, 35.270,
111.972

■ 95, 96.813,
109.170

■ 98, 22.575,
112.796

■ 95, 97.276,
109.267

■ 99, 9.726, 113.617
100, 0.740,
307.981

100, 0.853,
324.109

Harmonies

Complementary

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



96, 70.680, 109.741



54, 83.350, 301.447

Rectangle

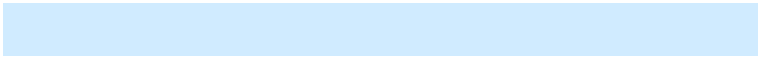
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 70.680, 109.741



96, 70.680, 159.741



96, 70.680, 289.741



96, 70.680, 339.741

Sweetspot

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



96, 70.681, 109.743



99, 21.979, 112.840



67, 58.283, 33.044



53, 14.690, 112.675



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, 70.681, 109.743



96, 82.153, 109.159



92, 78.635, 129.826



53, 7.364, 113.457



74, 78.649, 109.162



25, 35.688, 108.653

Inverse Universe

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



54, 83.350, 301.447



46, 101.557, 303.398



61, 83.762, 314.996



49, 7.528, 295.053



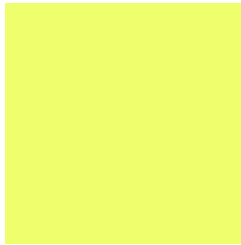
23, 107.200, 306.621



4, 44.366, 303.775

Previews

White Background



This preview shows how the CIELCh color 96, 70.680, 109.741 looks on a white background.

Color Contrast Check

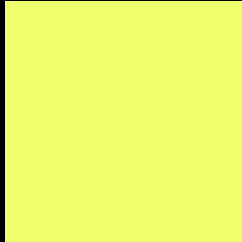
Large Text (above 18pt) WCAG AA × Fail

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, 70.680, 109.741 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, 70.680, 109.741

Background



This preview shows how black text looks on a background with the CIELCh color 96, 70.680, 109.741.

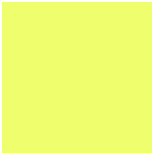
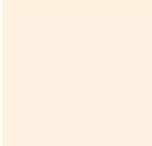


This preview shows how white text looks on a background with the CIELCh color 96, 70.680, 109.741.

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, 70.696, 109.728
	Protanopia 96, 22.869, 96.931
	Deuteranopia 96, 9.197, 75.797

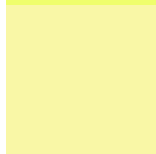


Tritanopia
96, 9.600, 321.275

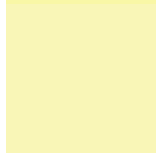
Trichromacy



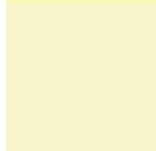
Original Color
96, 70.696, 109.728



Protanomaly
96, 40.805, 105.884



Deuteranomaly
96, 31.935, 105.607

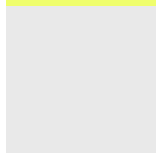


Tritanomaly
96, 21.943, 104.525

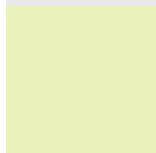
Monochromacy



Original Color
96, 70.696, 109.728



Achromatopsia
92, 0.011, 296.813



Achromatomaly
94, 27.626, 112.738

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 70.680, 109.741 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(239, 254, 108)` looks like.

```
.text, #text, p{  
    color:rgb(239, 254, 108)  
}
```

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(239, 254, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 254, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 70.680, 109.741 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(239, 254, 108) }
```

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

```
.border{ border-color:rgb(239, 254, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 254, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 254, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 254, 108);  
box-shadow:4px 4px 4px 4px rgb(239, 254,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 70.680, 109.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 254, 108) }
```

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

```
.background{ background-color: rgb(239,  
254, 108) }
```

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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