

Converting Colors

CIELCh(96, 63.782, 110.006)

Have a look what the booklet for
CIELCh(96, 63.782, 110.006)
contains.

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Color

CIElCh(96, 63.821, 109.996)

Conversions

Conversions Part 1

Format	Color
Hex	F0FD7B
RGB	240, 253, 123
RGB Percent	94%, 99%, 48%
CMY	0.0598, 0.0087, 0.5185
CMYK	0.05, 0.00, 0.51, 0.01
HSL	66°, 97%, 74%
HSV	66°, 51%, 99%
XYZ	74.4641, 90.0078, 32.1141
YIQ	234.2930, 33.9820, -43.1860

Conversions

Conversions Part 2

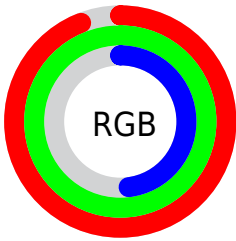
Format	Color
R_{YB}	123, 253, 136
Decimal	15793531
CIE _{Lab}	96.00, -21.82, 59.97
CIE _{LCh}	96, 63.821, 109.996
Yxy	90.0078, 0.3788, 0.4579
Android (android.graphics.Color)	4293983611 (0xFFFF0FD7B)
YUV	234.2930, -54.8674, 5.0050
Hunter-Lab	94.8724, -25.9246, 46.3412

Details

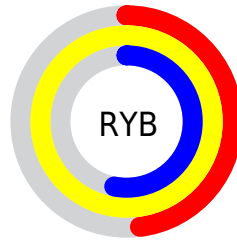
The CIELCh color **96, 63.821, 109.996** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **58, 73.542, 300.347**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 38.628, 107.231**, and **76, 63.484, 109.740** is the 20% darker color. If you saturate the color by 10%, you get **96, 74.457, 109.374**, and if you desaturate by 10%, it is **96, 52.219, 110.730**.

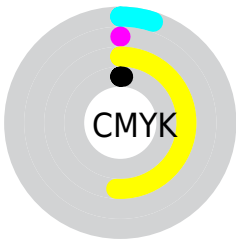
Distribution



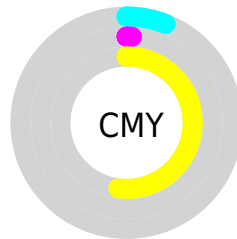
- Red (94%)
- Green (99%)
- Blue (48%)



- Red (48%)
- Yellow (99%)
- Blue (53%)



- Cyan (5%)
- Magenta (0%)
- Yellow (51%)
- Black (1%)





- Cyan (6%)
- Magenta (1%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 63.821, 109.996 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, 63.821, 109.996 by changing the saturation by 10% instead.

 96, 63.821,
109.996


 96, 63.821,
109.996


 100, 63.821,
109.996


 86, 63.821,
109.996


 76, 63.821,
109.996

 66, 63.821,
109.996

 56, 63.821,
109.996

 46, 63.821,
109.996

 36, 63.821,
109.996

 26, 63.821,

109.996

■ 16, 63.821,
109.996

■ 6, 63.821, 109.996

■ 96, 63.821,
109.996

■ 96, 63.821,
109.996

■ 96, 74.457,
109.374

■ 96, 52.219,
110.730

■ 95, 83.610,
108.919

■ 97, 40.014,
111.525

■ 95, 90.666,
108.702

■ 98, 27.451,
112.348

■ 95, 95.109,
108.785

■ 98, 14.687,
113.177

■ 95, 96.981,
109.083

■ 99, 1.826, 113.980

■ 99, 1.382, 323.534

■ 99, 1.394, 324.269

Harmonies

Complementary

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



96, 63.821, 109.996



58, 73.542, 300.347

Rectangle

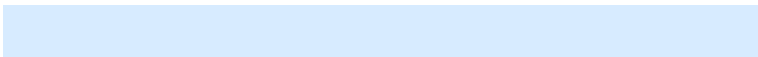
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 63.821, 109.996



96, 63.821, 159.996



96, 63.821, 289.996



96, 63.821, 339.996

Sweetspot

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



96, 63.822, 109.998



99, 19.402, 112.881



69, 50.879, 32.104



53, 13.228, 112.706



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, 63.822, 109.998



96, 75.558, 109.342



92, 70.814, 130.064



53, 7.362, 113.334



74, 78.617, 108.982



25, 35.678, 108.490

Inverse Universe

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



58, 73.542, 300.347



51, 90.750, 302.148



65, 74.947, 314.777



49, 7.527, 294.940



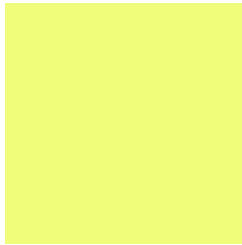
23, 107.223, 306.607



4, 44.359, 303.719

Previews

White Background



This preview shows how the CIE LCh color 96, 63.821, 109.996 looks on a white background.

Color Contrast Check

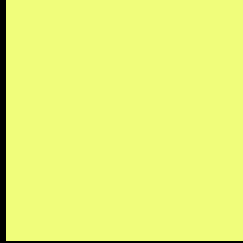
Large Text (above 18pt) WCAG AA × Fail

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, 63.821, 109.996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

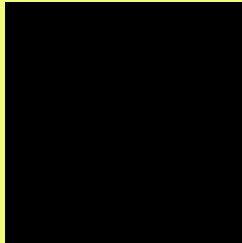
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 63.821, 109.996

Background



This preview shows how black text looks on a background with the CIELCh color 96, 63.821, 109.996.

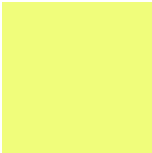
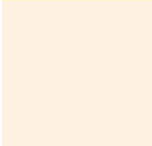



This preview shows how white text looks on a background with the CIELCh color 96, 63.821, 109.996.

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](#).

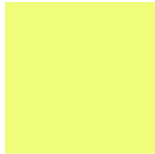
Dichromacy

	Original Color 96, 63.821, 109.996
	Protanopia 96, 22.371, 96.728
	Deuteranopia 96, 9.197, 75.797



Tritanopia
96, 9.600, 321.275

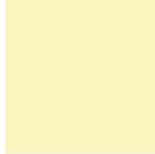
Trichromacy



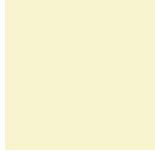
Original Color
96, 63.821, 109.996



Protanomaly
96, 37.855, 106.039

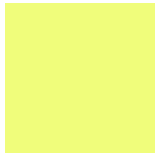


Deuteranomaly
96, 28.972, 104.878

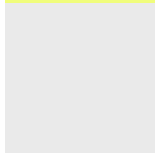


Tritanomaly
96, 18.909, 104.170

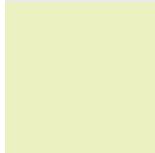
Monochromacy



Original Color
96, 63.821, 109.996



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 24.069, 112.775

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 63.821, 109.996 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(240, 253, 123)` looks like.

```
.text, #text, p{  
    color:rgb(240, 253, 123)  
}
```

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(240, 253, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 253, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 63.821, 109.996 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(240, 253, 123) }
```

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

```
.border{ border-color:rgb(240, 253, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 253, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 253, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 253, 123);  
box-shadow:4px 4px 4px 4px rgb(240, 253,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 63.821, 109.996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 253, 123) }
```

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

```
.background{ background-color: rgb(240,  
253, 123) }
```

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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