

Converting Colors

CIELCh(96, 68.735, 109.236)

Have a look what the booklet for
CIELCh(96, 68.735, 109.236)
contains.

CIELCh(96, 68.558, 109.339)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(96, 68.558, 109.339)

Conversions

Conversions Part 1

Format	Color
Hex	F0FD70
RGB	240, 253, 112
RGB Percent	94%, 99%, 44%
CMY	0.0585, 0.0075, 0.5605
CMYK	0.05, 0.00, 0.56, 0.01
HSL	66°, 97%, 72%
HSV	66°, 56%, 99%
XYZ	74.0386, 90.0078, 28.8207
YIQ	233.0390, 37.5130, -46.6070

Conversions

Conversions Part 2

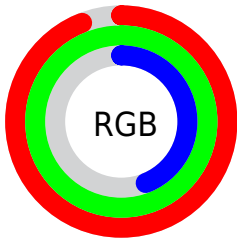
Format	Color
R _Y B	112, 253, 125
Decimal	15793520
CIE Lab	96.00, -22.70, 64.69
CIE LCh	96, 68.558, 109.339
Yxy	90.0078, 0.3839, 0.4667
Android (android.graphics.Color)	4293983600 (0xFFFF0FD70)
YUV	233.0390, -59.6722, 6.1048
Hunter-Lab	94.8724, -26.7251, 48.3993

Details

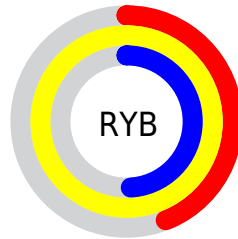
The CIELCh color **96, 68.558, 109.339** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **55, 80.351, 300.880**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 43.504, 106.854**, and **76, 68.355, 109.309** is the 20% darker color. If you saturate the color by 10%, you get **96, 78.629, 108.767**, and if you desaturate by 10%, it is **96, 57.316, 110.046**.

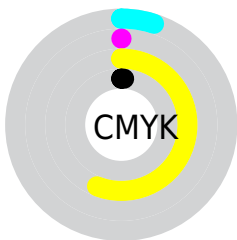
Distribution



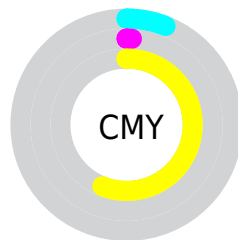
- Red (94%)
- Green (99%)
- Blue (44%)



- Red (44%)
- Yellow (99%)
- Blue (49%)



- Cyan (5%)
- Magenta (0%)
- Yellow (56%)
- Black (1%)





- Cyan (6%)
- Magenta (1%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 68.558, 109.339 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, 68.558, 109.339 by changing the saturation by 10% instead.


 96, 68.558,
109.339


 96, 68.558,
109.339


 100, 68.558,
109.339


 86, 68.558,
109.339

 76, 68.558,
109.339

 66, 68.558,
109.339

 56, 68.558,
109.339

 46, 68.558,
109.339

 36, 68.558,
109.339

 26, 68.558,

109.339

■ 16, 68.558,
109.339

■ 6, 68.558, 109.339

■ 96, 68.558,
109.339

■ 96, 68.558,
109.339

■ 96, 78.629,
108.767

■ 96, 57.316,
110.046

■ 95, 86.954,
108.386

■ 97, 45.328,
110.830

■ 95, 92.923,
108.268

■ 98, 32.890,
111.656

■ 95, 96.175,
108.455

■ 98, 20.190,
112.496

95, 96.970,
108.604

99, 7.354, 113.328
99, 1.051, 309.692

100, 1.200,
324.226

Harmonies

Complementary

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



96, 68.558, 109.339



55, 80.351, 300.880

Rectangle

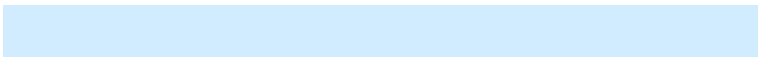
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 68.558, 109.339



96, 68.558, 159.339



96, 68.558, 289.339



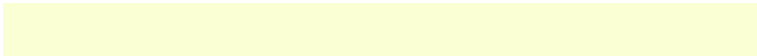
96, 68.558, 339.339

Sweetspot

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



96, 68.559, 109.341



99, 21.964, 112.387



67, 56.653, 31.626



53, 14.680, 112.218



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, 68.559, 109.341



96, 80.291, 108.704



92, 75.896, 129.359



53, 7.359, 113.015



74, 78.537, 108.510



25, 35.652, 108.065

Inverse Universe

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



55, 80.351, 300.880



47, 98.567, 302.865



62, 81.002, 314.427



49, 7.524, 294.644



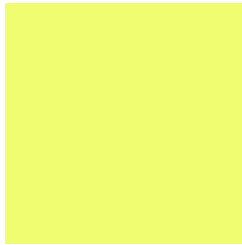
23, 107.280, 306.574



4, 44.343, 303.572

Previews

White Background



This preview shows how the CIE LCh color 96, 68.558, 109.339 looks on a white background.

Color Contrast Check

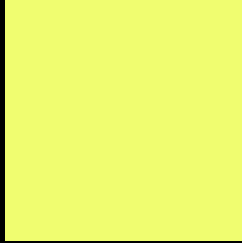
Large Text (above 18pt) WCAG AA × Fail

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, 68.558, 109.339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

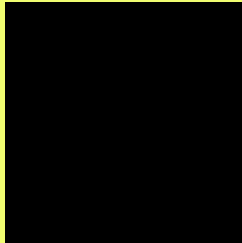
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 68.558, 109.339

Background



This preview shows how black text looks on a background with the CIELCh color 96, 68.558, 109.339.

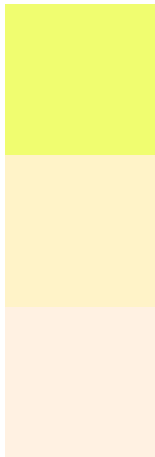


This preview shows how white text looks on a background with the CIELCh color 96, 68.558, 109.339.

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, 68.558, 109.339

Protanopia

96, 22.371, 96.728

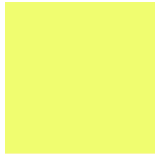
Deuteranopia

96, 9.197, 75.797

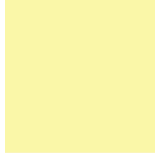


Tritanopia
96, 10.409, 323.172

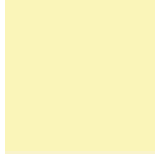
Trichromacy



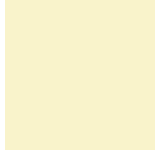
Original Color
96, 68.558, 109.339



Protanomaly
96, 39.833, 105.373

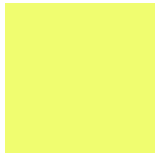


Deuteranomaly
96, 30.496, 104.174

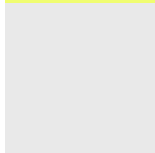


Tritanomaly
95, 20.508, 102.261

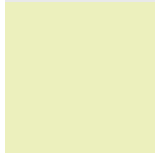
Monochromacy



Original Color
96, 68.558, 109.339



Achromatopsia
92, 0.011, 296.813



Achromatomaly
93, 26.075, 111.452

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 68.558, 109.339 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, 112)` looks like.

```
.text, #text, p{  
    color:rgb(240, 253, 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(240, 253, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 253, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 68.558, 109.339 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, 112) }
```

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

```
.border{ border-color:rgb(240, 253, 112) }
```

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, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 253, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 253, 112);  
box-shadow:4px 4px 4px 4px rgb(240, 253,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 68.558, 109.339 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, 112) }
```

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

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