

Converting Colors

CIELCh(96, 52.549, 120.883)

Have a look what the booklet for
CIELCh(96, 52.549, 120.883)
contains.

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Color

CIELCh(96, 51.972, 120.584)

Conversions

Conversions Part 1

Format	Color
Hex	DFFF9B
RGB	223, 255, 155
RGB Percent	87%, 100%, 61%
CMY	0.1265, 0.0000, 0.3933
CMYK	0.13, 0.00, 0.39, 0.00
HSL	79°, 100%, 80%
HSV	79°, 39%, 100%
XYZ	72.2476, 90.0078, 44.4462
YIQ	234.0320, 13.0280, -37.8840

Conversions

Conversions Part 2

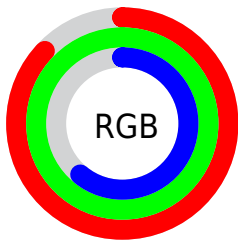
Format	Color
RYB	155, 255, 187
Decimal	14679963
CIELab	96.00, -26.44, 44.74
CIELCh	96, 51.972, 120.584
Yxy	90.0078, 0.3495, 0.4354
Android (android.graphics.Color)	4292870043 (0xFFDFFF9B)
YUV	234.0320, -38.9628, -9.6751
Hunter-Lab	94.8724, -30.0949, 38.6343

Details

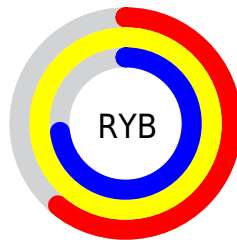
The CIELCh color **96, 51.972, 120.584** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **70, 55.922, 305.351**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 22.227, 108.494**, and **76, 51.374, 120.448** is the 20% darker color. If you saturate the color by 10%, you get **95, 63.880, 119.894**, and if you desaturate by 10%, it is **97, 38.748, 120.944**.

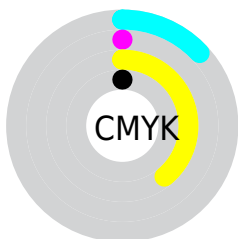
Distribution



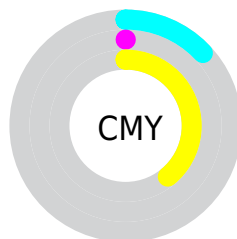
- Red (87%)
- Green (100%)
- Blue (61%)



- Red (61%)
- Yellow (100%)
- Blue (73%)



- Cyan (13%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)



- Cyan (13%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 51.972, 120.584 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, 51.972, 120.584 by changing the saturation by 10% instead.

■ 96, 51.972,
120.584

■ 96, 51.972,
120.584

■ 100, 51.972,
120.584

■ 86, 51.972,
120.584

■ 76, 51.972,
120.584

■ 66, 51.972,
120.584

■ 56, 51.972,
120.584

■ 46, 51.972,
120.584

■ 36, 51.972,
120.584

■ 26, 51.972,

120.584

■ 16, 51.972,
120.584

■ 6, 51.972, 120.584

■ 96, 51.972,
120.584

■ 96, 51.972,
120.584

■ 95, 63.880,
119.894

■ 97, 38.748,
120.944

■ 94, 75.353,
119.519

■ 98, 25.639,
121.522

■ 93, 85.519,
119.351

■ 99, 12.389,
122.097

■ 93, 93.788,
119.501

100, 0.012,
296.813

■ 92, 99.602,
120.084

■ 92, 102.917,
121.126

■ 92, 103.102,
121.201

Harmonies

Complementary

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



96, 51.972, 120.584



70, 55.922, 305.351

Rectangle

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



96, 51.972, 120.584



96, 51.972, 170.584



96, 51.972, 300.584



96, 51.972, 350.584

Sweetspot

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



96, 51.569, 120.389



99, 15.934, 121.944



81, 33.194, 51.107



52, 10.568, 121.869



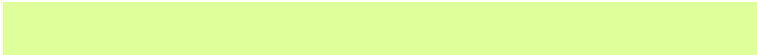
0, 0.000, 0.000



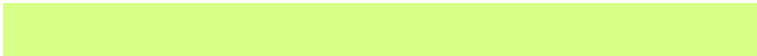
53, 0.007, 296.813

Same Dimension

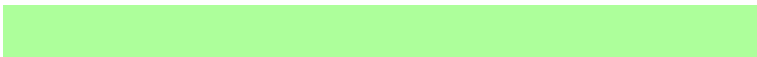
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 51.569, 120.389



95, 61.072, 120.001



93, 58.981, 137.038



53, 7.549, 122.087



71, 82.897, 120.940



24, 37.176, 119.514

Inverse Universe

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



70, 55.922, 305.351



65, 67.528, 306.013



75, 59.879, 321.061



49, 7.690, 303.154



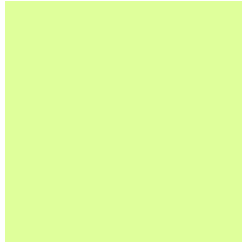
26, 104.229, 308.594



5, 44.791, 308.220

Previews

White Background



This preview shows how the CIELCh color 96, 51.972, 120.584 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, 51.972, 120.584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

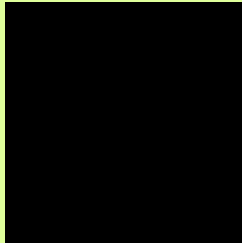
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

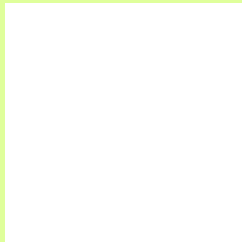
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 51.972, 120.584

Background



This preview shows how black text looks on a background with the CIELCh color 96, 51.972, 120.584.

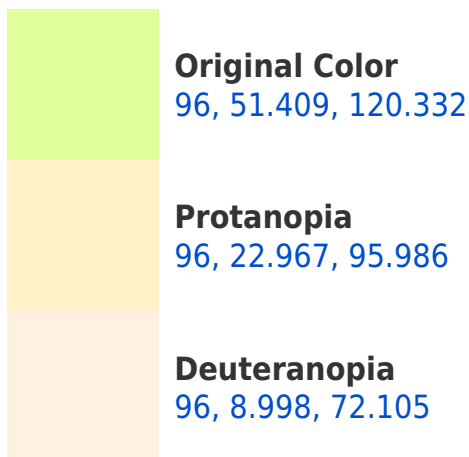


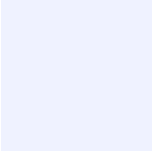
This preview shows how white text looks on a background with the CIELCh color 96, 51.972, 120.584.

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](#).

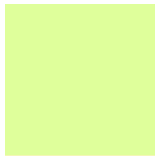
Dichromacy



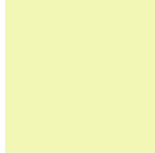


Tritanopia
96, 6.737, 281.902

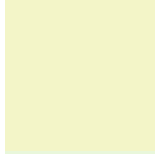
Trichromacy



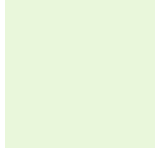
Original Color
96, 51.409, 120.332



Protanomaly
96, 32.937, 110.285



Deuteranomaly
95, 22.914, 110.267

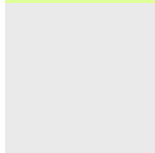


Tritanomaly
96, 15.204, 128.569

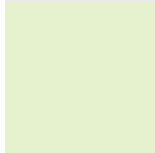
Monochromacy



Original Color
96, 51.409, 120.332



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 19.461, 121.865

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 51.972, 120.584 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(223, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 155)  
}
```

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(223, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 51.972, 120.584 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(223, 255, 155) }
```

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

```
.border{ border-color:rgb(223, 255, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 255, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 51.972, 120.584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 255, 155) }
```

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

```
.background{ background-color: rgb(223,  
255, 155) }
```

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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