

Converting Colors

CIELCh(96, 51.972, 120.584)

Have a look what the booklet for
CIELCh(96, 51.972, 120.584)
contains.

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Color

CIElCh(96, 51.409, 120.332)

Conversions

Conversions Part 1

Format	Color
Hex	E0FF9B
RGB	224, 255, 155
RGB Percent	88%, 100%, 61%
CMY	0.1235, 0.0000, 0.3902
CMYK	0.12, 0.00, 0.39, 0.00
HSL	79°, 100%, 80%
HSV	79°, 39%, 100%
XYZ	72.4765, 90.0078, 44.7796
YIQ	234.3310, 13.6240, -37.6720

Conversions

Conversions Part 2

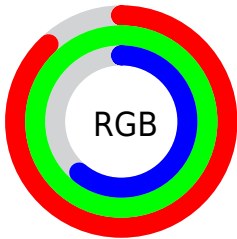
Format	Color
RYB	155, 255, 186
Decimal	14745499
CIELab	96.00, -25.96, 44.37
CIElCh	96, 51.409, 120.332
Yxy	90.0078, 0.3497, 0.4343
Android (android.graphics.Color)	4292935579 (0xFFE0FF9B)
YUV	234.3310, -39.1102, -9.0603
Hunter-Lab	94.8724, -29.6642, 38.4259

Details

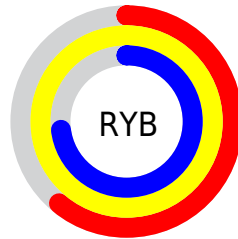
The CIELCh color **96, 51.409, 120.332** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **70, 55.437, 305.160**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 22.227, 108.494**, and **76, 51.263, 120.021** is the 20% darker color. If you saturate the color by 10%, you get **95, 63.445, 119.693**, and if you desaturate by 10%, it is **97, 38.312, 120.755**.

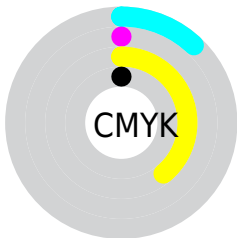
Distribution



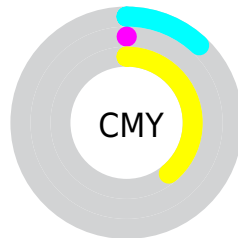
- Red (88%)
- Green (100%)
- Blue (61%)



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



- Cyan (12%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)





- Cyan (12%)
- Magenta (0%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 51.409, 120.332 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, 51.409, 120.332 by changing the saturation by 10% instead.


 96, 51.409,
120.332


 96, 51.409,
120.332


 100, 51.409,
120.332


 86, 51.409,
120.332

 76, 51.409,
120.332

 66, 51.409,
120.332

 56, 51.409,
120.332

 46, 51.409,
120.332

 36, 51.409,
120.332

 26, 51.409,

120.332

■ 16, 51.409,
120.332

■ 6, 51.409, 120.332

■ 96, 51.409,
120.332

■ 96, 51.409,
120.332

■ 95, 63.445,
119.693

■ 97, 38.312,
120.755

■ 94, 74.932,
119.309

■ 98, 25.210,
121.336

■ 94, 85.128,
119.129

■ 99, 11.970,
121.916

■ 93, 93.444,
119.261

■ 100, 0.012,
296.813

■ 92, 99.318,
119.822

■ 92, 102.662,
120.846

■ 92, 102.930,
120.954

Harmonies

Complementary

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



96, 51.409, 120.332



70, 55.437, 305.160

Rectangle

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



96, 51.409, 120.332



96, 51.409, 170.332



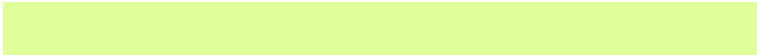
96, 51.409, 300.332



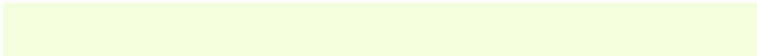
96, 51.409, 350.332

Sweetspot

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



96, 51.130, 120.194



99, 15.920, 121.744



81, 33.048, 49.380



52, 10.559, 121.669



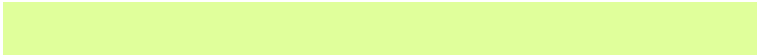
0, 0.000, 0.000



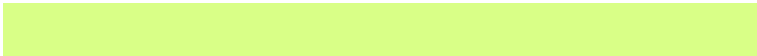
53, 0.007, 296.813

Same Dimension

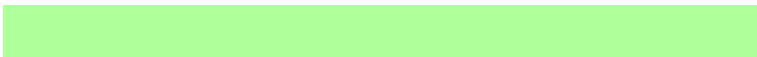
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 51.130, 120.194



95, 61.008, 119.787



93, 58.232, 136.614



53, 7.543, 121.888



71, 82.762, 120.696



24, 37.127, 119.282

Inverse Universe

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



70, 55.437, 305.160



65, 67.511, 305.857



75, 59.226, 320.535



49, 7.685, 302.965



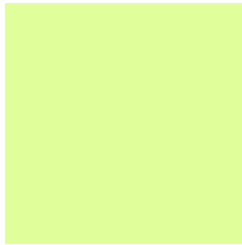
26, 104.326, 308.522



5, 44.782, 308.096

Previews

White Background



This preview shows how the CIELCh color 96, 51.409, 120.332 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 CIE LCh color 96, 51.409, 120.332 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, 51.409, 120.332

Background



This preview shows how black text looks on a background with the CIELCh color 96, 51.409, 120.332.

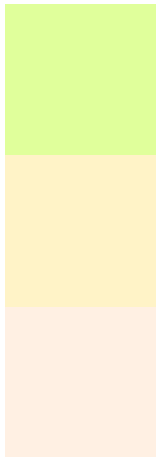


This preview shows how white text looks on a background with the CIELCh color 96, 51.409, 120.332.

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, 51.311, 119.925

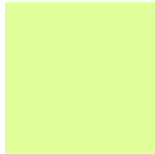
Protanopia
96, 22.869, 96.931

Deuteranopia
96, 8.591, 70.106

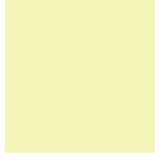


Tritanopia
96, 6.737, 281.902

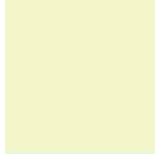
Trichromacy



Original Color
96, 51.311, 119.925



Protanomaly
96, 32.421, 109.687



Deuteranomaly
95, 22.396, 109.389

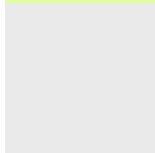


Tritanomaly
96, 15.204, 128.569

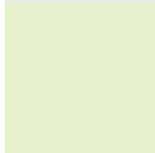
Monochromacy



Original Color
96, 51.311, 119.925



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, 51.409, 120.332 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(224, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(224, 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(224, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 51.409, 120.332 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(224, 255, 155) }
```

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

```
.border{ border-color:rgb(224, 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(224, 255, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 51.409, 120.332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 255, 155) }
```

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

```
.background{ background-color: rgb(224,  
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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