

Converting Colors

CIELCh(100, 57.654, 126.271)

Have a look what the booklet for
CIELCh(100, 57.654, 126.271)
contains.

CIELCh(96, 48.597, 123.136)	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, 48.597, 123.136)

Conversions

Conversions Part 1

Format	Color
Hex	DCFFA3
RGB	220, 255, 163
RGB Percent	86%, 100%, 64%
CMY	0.1373, 0.0000, 0.3611
CMYK	0.14, 0.00, 0.36, 0.00
HSL	83°, 100%, 82%
HSV	83°, 36%, 100%
XYZ	72.1901, 90.0078, 48.1844
YIQ	234.0470, 8.6720, -36.0320

Conversions

Conversions Part 2

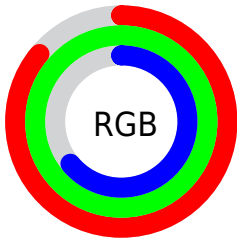
Format	Color
RYB	163, 255, 198
Decimal	14483363
CIELab	96.00, -26.56, 40.69
CIELCh	96, 48.597, 123.136
Yxy	90.0078, 0.3431, 0.4278
Android (android.graphics.Color)	4292673443 (0xFFDCFFA3)
YUV	234.0470, -35.0262, -12.3192
Hunter-Lab	94.8724, -30.2030, 36.2981

Details

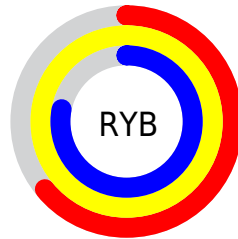
The CIELCh color **96, 48.597, 123.136** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **73, 51.368, 306.992**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 18.203, 108.801**, and **76, 47.886, 122.750** is the 20% darker color. If you saturate the color by 10%, you get **95, 60.749, 122.409**, and if you desaturate by 10%, it is **97, 34.942, 123.421**.

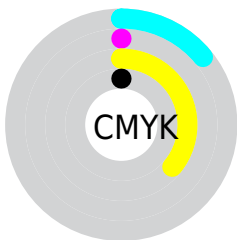
Distribution



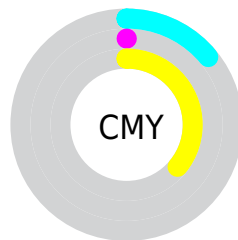
- Red (86%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (78%)



- Cyan (14%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 48.597, 123.136 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, 48.597, 123.136 by changing the saturation by 10% instead.

 96, 48.597,
123.136

 96, 48.597,
123.136

 100, 48.597,
123.136


 86, 48.597,
123.136

 76, 48.597,
123.136

 66, 48.597,
123.136

 56, 48.597,
123.136

 46, 48.597,
123.136

 36, 48.597,
123.136

 26, 48.597,

123.136

■ 16, 48.597,
123.136

■ 6, 48.597, 123.136

■ 96, 48.597,
123.136

■ 96, 48.597,
123.136

■ 95, 60.749,
122.409

■ 97, 34.942,
123.421

■ 94, 72.737,
122.022

■ 98, 21.608,
123.958

■ 93, 83.598,
121.812

■ 99, 8.187, 124.488

■ 92, 92.777,
121.890

100, 0.012,
296.813

■ 92, 99.677,
122.381

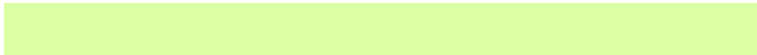
■ 91, 103.951,
123.374

■ 91, 105.127,
123.845

Harmonies

Complementary

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



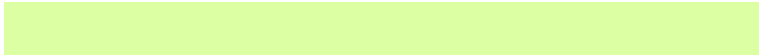
96, 48.597, 123.136



73, 51.368, 306.992

Rectangle

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



96, 48.597, 123.136



96, 48.597, 173.136



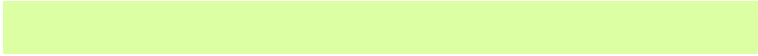
96, 48.597, 303.136



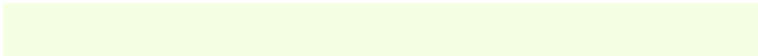
96, 48.597, 353.136

Sweetspot

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



96, 48.054, 122.893



99, 14.760, 124.230



84, 29.877, 56.652



52, 9.918, 124.158



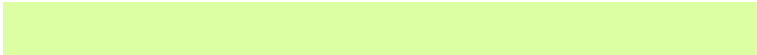
0, 0.000, 0.000



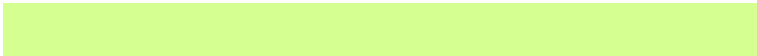
53, 0.007, 296.813

Same Dimension

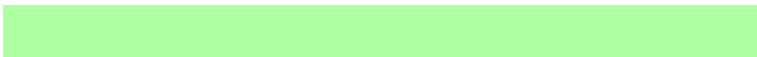
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 48.054, 122.893



95, 56.866, 122.552



93, 55.112, 138.572



53, 7.628, 124.309



70, 84.489, 123.567



24, 37.770, 122.037

Inverse Universe

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



73, 51.368, 306.992



68, 61.714, 307.495



78, 55.632, 322.451



49, 7.759, 305.278



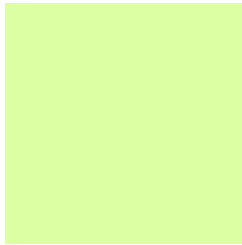
27, 103.078, 309.500



5, 44.876, 309.684

Previews

White Background



This preview shows how the CIELCh color 96, 48.597, 123.136 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, 48.597, 123.136 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

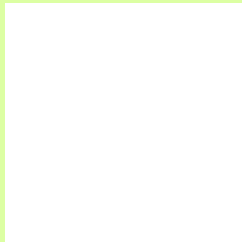
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 48.597, 123.136

Background



This preview shows how black text looks on a background with the CIELCh color 96, 48.597, 123.136.

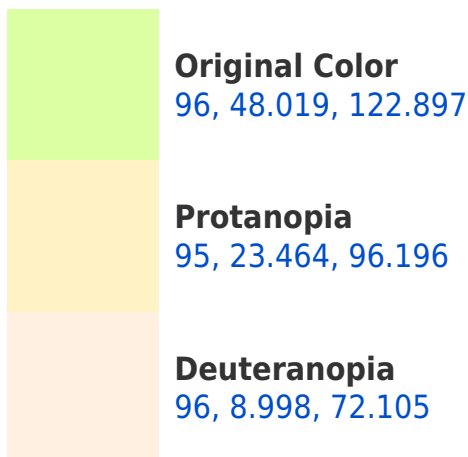


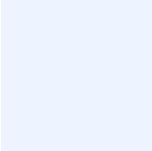
This preview shows how white text looks on a background with the CIELCh color 96, 48.597, 123.136.

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](#).

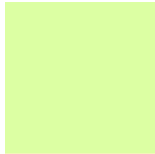
Dichromacy



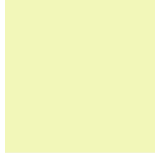


Tritanopia
96, 6.458, 272.083

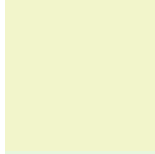
Trichromacy



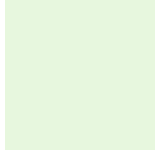
Original Color
96, 48.019, 122.897



Protanomaly
96, 31.468, 111.213

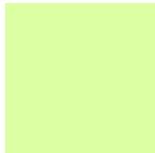


Deuteranomaly
95, 21.418, 111.510

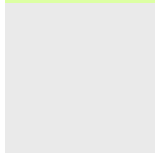


Tritanomaly
95, 14.060, 133.385

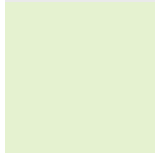
Monochromacy



Original Color
96, 48.019, 122.897



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 18.076, 124.145

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 48.597, 123.136 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(220, 255, 163)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 163)  
}
```

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(220, 255, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 48.597, 123.136 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(220, 255, 163) }
```

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

```
.border{ border-color:rgb(220, 255, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 255, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 163);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 48.597, 123.136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 163) }
```

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

```
.background{ background-color: rgb(220,  
255, 163) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor