

Converting Colors

CIELCh(96, 64.012, 116.246)

Have a look what the booklet for
CIELCh(96, 64.012, 116.246)
contains.

CIELCh(96, 63.363, 115.901)	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, 63.363, 115.901)

Conversions

Conversions Part 1

Format	Color
Hex	E3FF81
RGB	227, 255, 129
RGB Percent	89%, 100%, 51%
CMY	0.1101, 0.0000, 0.4947
CMYK	0.11, 0.00, 0.49, 0.00
HSL	73°, 100%, 75%
HSV	73°, 49%, 100%
XYZ	71.6627, 90.0078, 34.3158
YIQ	232.2640, 23.7580, -45.1220

Conversions

Conversions Part 2

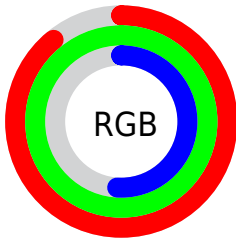
Format	Color
RYB	129, 255, 157
Decimal	14942081
CIELab	96.00, -27.68, 57.00
CIELCh	96, 63.363, 115.901
Yxy	90.0078, 0.3657, 0.4593
Android (android.graphics.Color)	4293132161 (0xFFE3FF81)
YUV	232.2640, -50.9092, -4.6165
Hunter-Lab	94.8724, -31.1953, 44.9652

Details

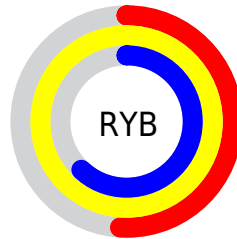
The CIELCh color **96, 63.363, 115.901** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **62, 71.073, 303.377**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 35.677, 107.459**, and **76, 62.874, 115.727** is the 20% darker color. If you saturate the color by 10%, you get **95, 74.078, 115.194**, and if you desaturate by 10%, it is **96, 50.878, 116.251**.

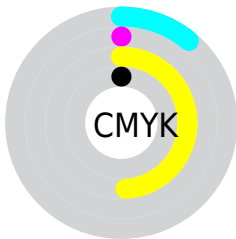
Distribution



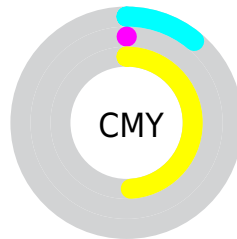
- Red (89%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (62%)



- Cyan (11%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 63.363, 115.901 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, 63.363, 115.901 by changing the saturation by 10% instead.


 96, 63.363,
115.901


 96, 63.363,
115.901


 100, 63.363,
115.901


 86, 63.363,
115.901

 76, 63.363,
115.901

 66, 63.363,
115.901

 56, 63.363,
115.901

 46, 63.363,
115.901

 36, 63.363,
115.901

 26, 63.363,

115.901

■ 16, 63.363,
115.901

■ 6, 63.363, 115.901

■ 96, 63.363,
115.901

■ 96, 63.363,
115.901

■ 95, 74.078,
115.194

■ 96, 50.878,
116.251

■ 95, 83.900,
114.915

■ 97, 38.311,
116.898

■ 94, 91.778,
114.923

■ 98, 25.434,
117.570

■ 94, 97.151,
115.316

■ 99, 12.393,
118.242

■ 93, 99.997,
116.116

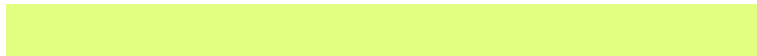
100, 0.012,
296.813

■ 93, 100.121,
116.163

Harmonies

Complementary

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



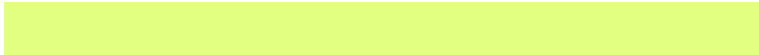
96, 63.363, 115.901



62, 71.073, 303.377

Rectangle

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



96, 63.363, 115.901



96, 63.363, 165.901



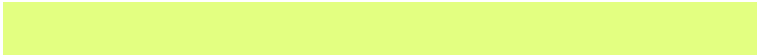
96, 63.363, 295.901



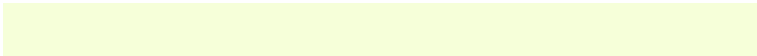
96, 63.363, 345.901

Sweetspot

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



96, 62.912, 115.665



99, 19.624, 117.871



74, 45.340, 41.313



52, 13.381, 117.729



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

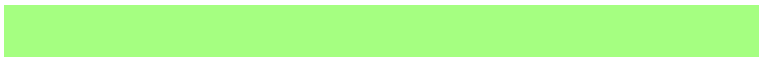
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 62.912, 115.665



95, 73.584, 115.213



92, 71.212, 133.665



53, 7.444, 118.239



72, 80.561, 115.956



25, 36.336, 114.848

Inverse Universe

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



62, 71.073, 303.377



55, 85.788, 304.513



68, 73.606, 318.334



49, 7.598, 299.515



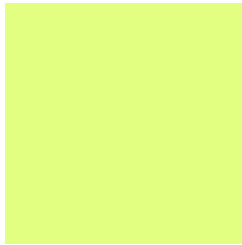
25, 105.875, 307.442



4, 44.603, 306.000

Previews

White Background



This preview shows how the CIELCh color 96, 63.363, 115.901 looks on a white background.

Color Contrast Check

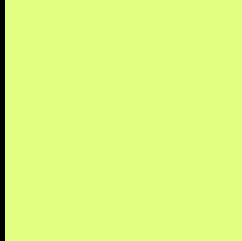
Large Text (above 18pt) WCAG AA × Fail

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, 63.363, 115.901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

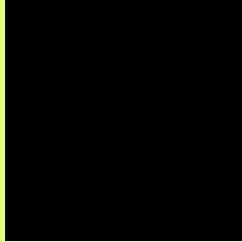
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 63.363, 115.901

Background



This preview shows how black text looks on a background with the CIELCh color 96, 63.363, 115.901.

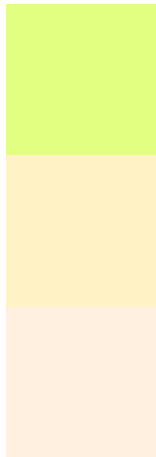


This preview shows how white text looks on a background with the CIELCh color 96, 63.363, 115.901.

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, 62.846, 115.654

Protanopia

95, 23.961, 96.396

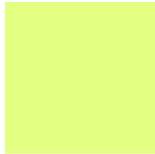
Deuteranopia

96, 9.841, 75.584

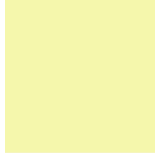


Tritanopia
96, 7.205, 293.480

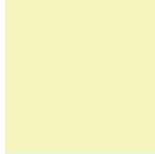
Trichromacy



Original Color
96, 62.846, 115.654



Protanomaly
96, 37.860, 108.397

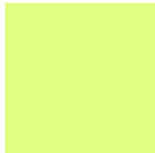


Deuteranomaly
95, 28.436, 107.950

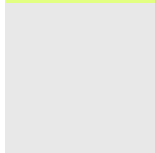


Tritanomaly
95, 19.163, 118.697

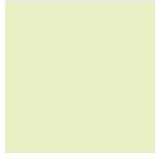
Monochromacy



Original Color
96, 62.846, 115.654



Achromatopsia
92, 0.011, 296.813



Achromatomaly
93, 23.830, 117.385

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 63.363, 115.901 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(227, 255, 129)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 129)  
}
```

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(227, 255, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 63.363, 115.901 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(227, 255, 129) }
```

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

```
.border{ border-color:rgb(227, 255, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 255, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 129);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 63.363, 115.901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 129) }
```

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

```
.background{ background-color: rgb(227,  
255, 129) }
```

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