

Converting Colors

CIELCh(96, 63.411, 114.824)

Have a look what the booklet for
CIELCh(96, 63.411, 114.824)
contains.

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Color

CIELCh(96, 63.140, 114.860)

Conversions

Conversions Part 1

Format	Color
Hex	E5FF80
RGB	229, 255, 128
RGB Percent	90%, 100%, 50%
CMY	0.1007, 0.0000, 0.4968
CMYK	0.10, 0.00, 0.50, 0.00
HSL	72°, 100%, 75%
HSV	72°, 50%, 100%
XYZ	72.1997, 90.0078, 34.0961
YIQ	232.7480, 25.2710, -45.0090

Conversions

Conversions Part 2

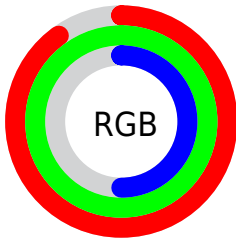
Format	Color
RYB	128, 255, 154
Decimal	15073152
CIELab	96.00, -26.54, 57.29
CIELCh	96, 63.140, 114.860
Yxy	90.0078, 0.3678, 0.4585
Android (android.graphics.Color)	4293263232 (0xFFE5FF80)
YUV	232.7480, -51.6408, -3.2870
Hunter-Lab	94.8724, -30.1849, 45.1025

Details

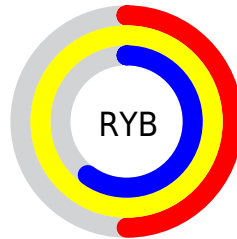
The CIELCh color **96, 63.140, 114.860** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **61, 71.382, 302.844**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 36.170, 107.421**, and **76, 63.107, 114.893** is the 20% darker color. If you saturate the color by 10%, you get **95, 74.075, 114.280**, and if you desaturate by 10%, it is **97, 51.005, 115.381**.

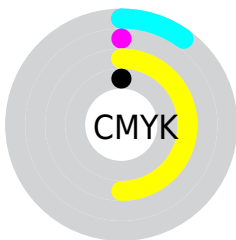
Distribution



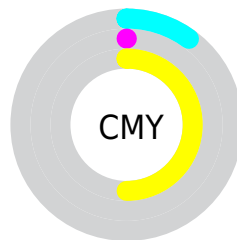
- Red (90%)
- Green (100%)
- Blue (50%)



- Red (50%)
- Yellow (100%)
- Blue (60%)



- Cyan (10%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 63.140, 114.860 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, 63.140, 114.860 by changing the saturation by 10% instead.


 96, 63.140,
114.860


 96, 63.140,
114.860


 100, 63.140,
114.860


 86, 63.140,
114.860

 76, 63.140,
114.860

 66, 63.140,
114.860

 56, 63.140,
114.860

 46, 63.140,
114.860

 36, 63.140,
114.860

 26, 63.140,

114.860

■ 16, 63.140,
114.860

■ 6, 63.140, 114.860

■ 96, 63.140,
114.860

■ 96, 63.140,
114.860

■ 95, 74.075,
114.280

■ 97, 51.005,
115.381

■ 95, 83.806,
113.975

■ 97, 38.487,
116.049

■ 94, 91.571,
113.952

■ 98, 25.652,
116.743

■ 94, 96.813,
114.303

■ 99, 12.647,
117.438

■ 94, 99.541,
115.042

100, 0.012,
296.813

■ 94, 99.612,
115.068

Harmonies

Complementary

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



96, 63.140, 114.860



61, 71.382, 302.844

Rectangle

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



96, 63.140, 114.860



96, 63.140, 164.860



96, 63.140, 294.860



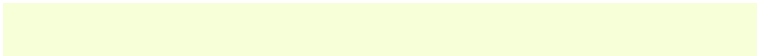
96, 63.140, 344.860

Sweetspot

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



96, 62.980, 114.773



99, 19.577, 117.070



73, 46.016, 39.866



52, 13.349, 116.923



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, 62.980, 114.773



95, 74.408, 114.267



92, 71.146, 133.179



53, 7.427, 117.450



72, 80.163, 114.875



25, 36.197, 113.851

Inverse Universe

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



61, 71.382, 302.844



54, 87.361, 304.150



68, 73.764, 317.822



49, 7.584, 298.775



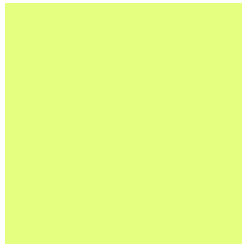
24, 106.150, 307.264



4, 44.563, 305.599

Previews

White Background



This preview shows how the CIE LCh color 96, 63.140, 114.860 looks on a white background.

Color Contrast Check

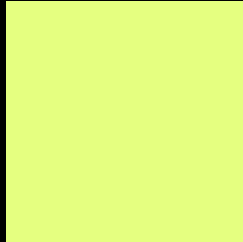
Large Text (above 18pt) WCAG AA × Fail

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, 63.140, 114.860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

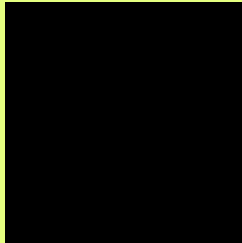
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 63.140, 114.860

Background



This preview shows how black text looks on a background with the CIELCh color 96, 63.140, 114.860.

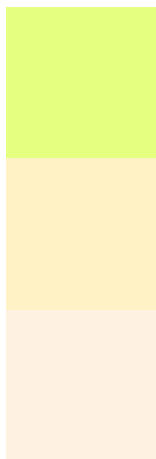


This preview shows how white text looks on a background with the CIELCh color 96, 63.140, 114.860.

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, 63.140, 114.860

Protanopia

96, 23.367, 97.124

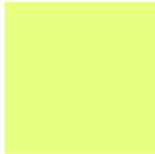
Deuteranopia

96, 9.197, 75.797

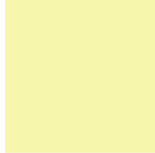


Tritanopia
96, 7.280, 298.914

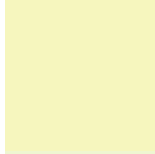
Trichromacy



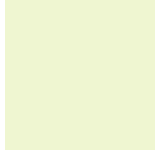
Original Color
96, 63.140, 114.860



Protanomaly
96, 37.359, 107.855



Deuteranomaly
96, 28.416, 107.958

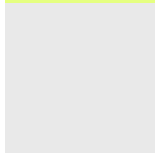


Tritanomaly
96, 19.039, 116.526

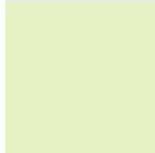
Monochromacy



Original Color
96, 63.140, 114.860



Achromatopsia
92, 0.011, 296.813



Achromatomaly
93, 23.750, 116.504

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 63.140, 114.860 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(229, 255, 128)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 128)  
}
```

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(229, 255, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 63.140, 114.860 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(229, 255, 128) }
```

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

```
.border{ border-color:rgb(229, 255, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 255, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 128);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 63.140, 114.860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 255, 128) }
```

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

```
.background{ background-color: rgb(229,  
255, 128) }
```

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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