

Converting Colors

CIELCh(100, 55.744, 121.408)

Have a look what the booklet for
CIELCh(100, 55.744, 121.408)
contains.

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Color

CIElCh(96, 48.354, 117.662)

Conversions

Conversions Part 1

Format	Color
Hex	E6FE9F
RGB	230, 254, 159
RGB Percent	90%, 100%, 62%
CMY	0.0990, 0.0049, 0.3771
CMYK	0.09, 0.00, 0.37, 0.00
HSL	75°, 97%, 81%
HSV	75°, 37%, 100%
XYZ	74.1617, 90.0078, 46.1893
YIQ	235.9940, 16.1910, -34.6330

Conversions

Conversions Part 2

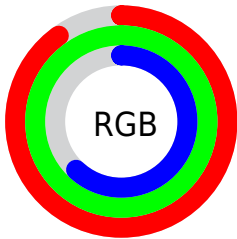
Format	Color
RYB	159, 254, 183
Decimal	15138463
CIELab	96.00, -22.45, 42.83
CIELCh	96, 48.354, 117.662
Yxy	90.0078, 0.3525, 0.4279
Android (android.graphics.Color)	4293328543 (0xFFE6FE9F)
YUV	235.9940, -37.9580, -5.2567
Hunter-Lab	94.8724, -26.4934, 37.5450

Details

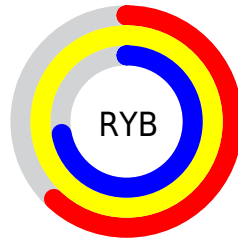
The CIELCh color **96, 48.354, 117.662** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **71, 52.564, 302.990**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 20.216, 108.647**, and **76, 48.254, 117.658** is the 20% darker color. If you saturate the color by 10%, you get **95, 60.547, 117.094**, and if you desaturate by 10%, it is **97, 35.693, 118.287**.

Distribution



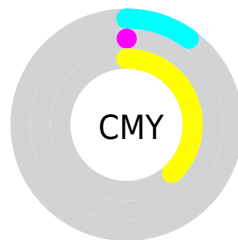
- Red (90%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (72%)



- Cyan (9%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)



- Cyan (10%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 48.354, 117.662 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, 48.354, 117.662 by changing the saturation by 10% instead.


 96, 48.354,
117.662


 96, 48.354,
117.662

 100, 48.354,
117.662


 86, 48.354,
117.662

 76, 48.354,
117.662

 66, 48.354,
117.662

 56, 48.354,
117.662

 46, 48.354,
117.662

 36, 48.354,
117.662

 26, 48.354,

117.662

■ 16, 48.354,
117.662

■ 6, 48.354, 117.662

■ 96, 48.354,
117.662

■ 96, 48.354,
117.662

■ 95, 60.547,
117.094

■ 97, 35.693,
118.287

■ 95, 71.962,
116.628

■ 98, 22.762,
118.928

■ 94, 82.157,
116.342

■ 99, 9.697, 119.565

■ 93, 90.557,
116.332

100, 0.778,
324.071

■ 93, 96.575,
116.705

■ 93, 99.954,
117.527

■ 92, 100.587,
117.778

Harmonies

Complementary

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



96, 48.354, 117.662



71, 52.564, 302.990

Rectangle

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



96, 48.354, 117.662



96, 48.354, 167.662



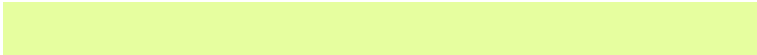
96, 48.354, 297.662



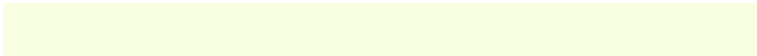
96, 48.354, 347.662

Sweetspot

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



96, 48.356, 117.664



99, 14.456, 119.337



80, 31.957, 44.286



53, 9.712, 119.251



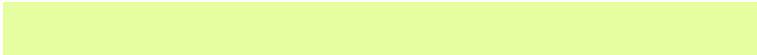
0, 0.000, 0.000



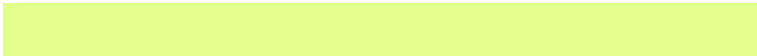
53, 0.007, 296.813

Same Dimension

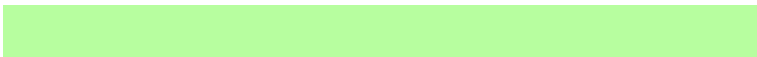
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 48.356, 117.664



96, 57.897, 117.223



93, 54.808, 135.331



53, 7.472, 119.432



72, 81.218, 117.555



25, 36.568, 116.330

Inverse Universe

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



71, 52.564, 302.990



65, 64.279, 303.764



75, 56.031, 318.917



49, 7.623, 300.638



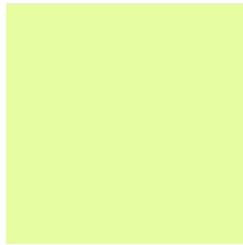
25, 105.417, 307.747



4, 44.664, 306.643

Previews

White Background



This preview shows how the CIE LCh color 96, 48.354, 117.662 looks on a white background.

Color Contrast Check

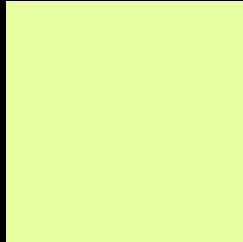
Large Text (above 18pt) WCAG AA × Fail

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, 48.354, 117.662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

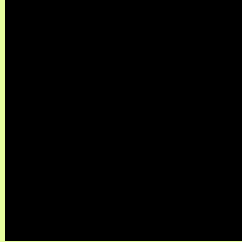
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 48.354, 117.662

Background



This preview shows how black text looks on a background with the CIELCh color 96, 48.354, 117.662.

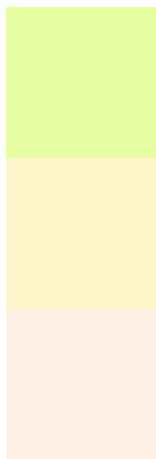


This preview shows how white text looks on a background with the CIELCh color 96, 48.354, 117.662.

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, 48.383, 117.653

Protanopia

96, 21.376, 96.287

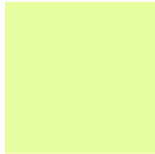
Deuteranopia

96, 8.355, 72.056

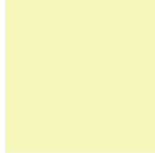


Tritanopia
96, 6.688, 293.655

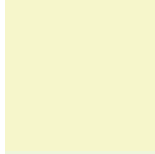
Trichromacy



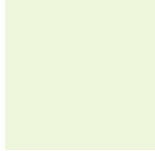
Original Color
96, 48.383, 117.653



Protanomaly
96, 30.902, 108.480



Deuteranomaly
96, 21.868, 108.475

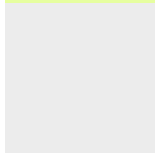


Tritanomaly
96, 13.601, 121.495

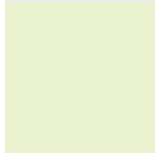
Monochromacy



Original Color
96, 48.383, 117.653



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 17.649, 118.446

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 48.354, 117.662 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(230, 254, 159)` looks like.

```
.text, #text, p{  
    color:rgb(230, 254, 159)  
}
```

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(230, 254, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 254, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 48.354, 117.662 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(230, 254, 159) }
```

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

```
.border{ border-color:rgb(230, 254, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 254, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 254, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 254, 159);  
box-shadow:4px 4px 4px 4px rgb(230, 254,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 48.354, 117.662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 254, 159) }
```

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

```
.background{ background-color: rgb(230,  
254, 159) }
```

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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