

Converting Colors

CIELCh(100, 53.422, 121.390)

Have a look what the booklet for
CIELCh(100, 53.422, 121.390)
contains.

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Color

CIELCh(97, 46.384, 117.762)

Conversions

Conversions Part 1

Format	Color
Hex	E9FFA5
RGB	233, 255, 165
RGB Percent	91%, 100%, 65%
CMY	0.0852, 0.0000, 0.3521
CMYK	0.09, 0.00, 0.35, 0.00
HSL	75°, 100%, 82%
HSV	75°, 35%, 100%
XYZ	76.6805, 92.4403, 49.4987
YIQ	238.1620, 15.7780, -32.6540

Conversions

Conversions Part 2

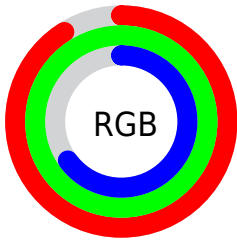
Format	Color
RYB	165, 255, 187
Decimal	15335333
CIELab	97.00, -21.61, 41.04
CIElCh	97, 46.384, 117.762
Yxy	92.4403, 0.3507, 0.4228
Android (android.graphics.Color)	4293525413 (0xFFE9FFA5)
YUV	238.1620, -36.0689, -4.5271
Hunter-Lab	96.1459, -25.8939, 36.7779

Details

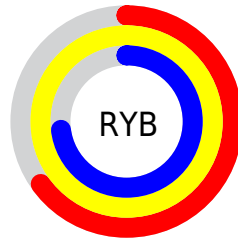
The CIELCh color **97, 46.384, 117.762** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **73, 49.448, 302.419**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 17.195, 108.877**, and **77, 45.658, 117.471** is the 20% darker color. If you saturate the color by 10%, you get **96, 58.047, 116.737**, and if you desaturate by 10%, it is **98, 32.947, 117.975**.

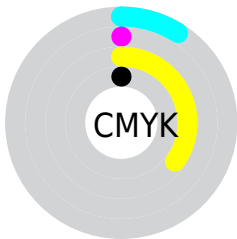
Distribution



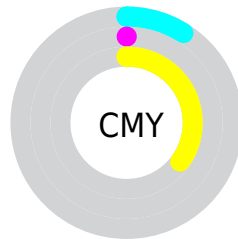
- Red (91%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (73%)



- Cyan (9%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 46.384, 117.762 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 97, 46.384, 117.762 by changing the saturation by 10% instead.


 97, 46.384,
117.762


 97, 46.384,
117.762


 100, 46.384,
117.762


 87, 46.384,
117.762

 77, 46.384,
117.762

 67, 46.384,
117.762

 57, 46.384,
117.762

 47, 46.384,
117.762

 37, 46.384,
117.762

 27, 46.384,

117.762

■ 17, 46.384,
117.762

■ 7, 46.384, 117.762

■ 97, 46.384,
117.762

■ 97, 46.384,
117.762

■ 96, 58.047,
116.737

■ 98, 32.947,
117.975

■ 95, 69.680,
116.231

■ 98, 19.948,
118.628

■ 95, 80.196,
115.885

■ 99, 6.836, 119.275

■ 94, 89.039,
115.789

100, 0.012,
296.813

■ 94, 95.601,
116.049

■ 93, 99.497,
116.746

■ 93, 100.646,
117.198

Harmonies

Complementary

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



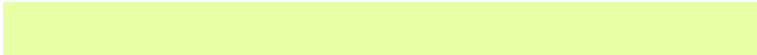
97, 46.384, 117.762



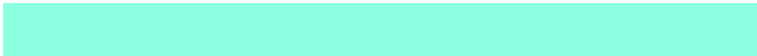
73, 49.448, 302.419

Rectangle

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



97, 46.384, 117.762



97, 46.384, 167.762



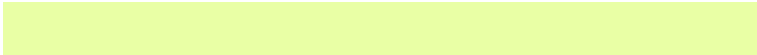
97, 46.384, 297.762



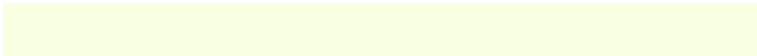
97, 46.384, 347.762

Sweetspot

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



97, 45.709, 117.334



99, 14.435, 118.902



81, 30.167, 42.612



53, 9.698, 118.814



0, 0.000, 0.000



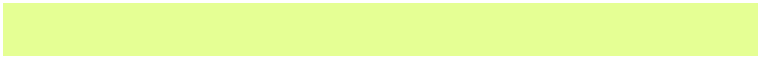
53, 0.007, 296.813

Same Dimension

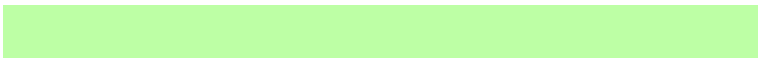
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 45.709, 117.334



96, 54.146, 116.922



94, 51.590, 134.981



53, 7.462, 118.998



72, 80.972, 116.979



25, 36.481, 115.795

Inverse Universe

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



73, 49.448, 302.419



68, 59.677, 303.114



77, 52.776, 318.305



49, 7.614, 300.230



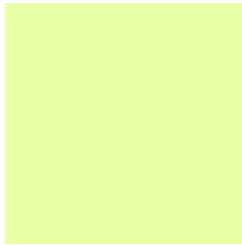
25, 105.589, 307.631



4, 44.642, 306.404

Previews

White Background



This preview shows how the CIELCh color 97, 46.384, 117.762 looks on a white background.

Color Contrast Check

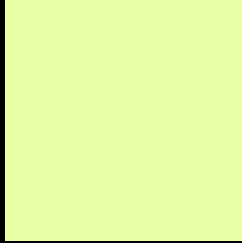
Large Text (above 18pt) WCAG AA × Fail

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 97, 46.384, 117.762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

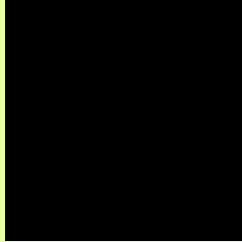
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

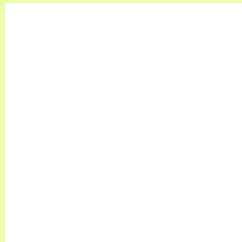
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 97, 46.384, 117.762

Background



This preview shows how black text looks on a background with the CIELCh color 97, 46.384, 117.762.

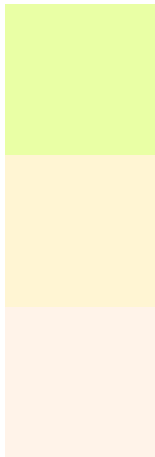


This preview shows how white text looks on a background with the CIELCh color 97, 46.384, 117.762.

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
97, 45.832, 117.439

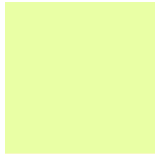
Protanopia
97, 17.702, 96.661

Deuteranopia
97, 6.674, 69.270

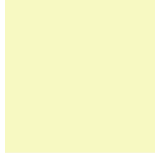


Tritanopia
97, 5.692, 297.600

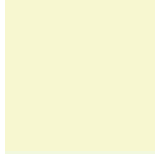
Trichromacy



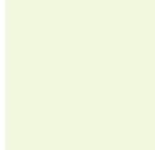
Original Color
97, 45.832, 117.439



Protanomaly
97, 27.869, 109.582



Deuteranomaly
96, 19.830, 108.640

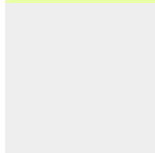


Tritanomaly
96, 13.502, 120.009

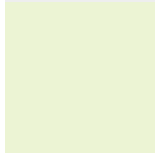
Monochromacy



Original Color
97, 45.832, 117.439



Achromatopsia
94, 0.011, 296.813



Achromatomaly
95, 16.620, 119.089

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 46.384, 117.762 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(233, 255, 165)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 165)  
}
```

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(233, 255, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 46.384, 117.762 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(233, 255, 165) }
```

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

```
.border{ border-color:rgb(233, 255, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 255, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 165);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 46.384, 117.762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 165) }
```

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

```
.background{ background-color: rgb(233,  
255, 165) }
```

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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