

Converting Colors

CIELCh(97, 33.568, 123.269)

Have a look what the booklet for
CIELCh(97, 33.568, 123.269)
contains.

CIELCh(97, 33.568, 123.269)	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(97, 33.568, 123.269)

Conversions

Conversions Part 1

Format	Color
Hex	E7FFBF
RGB	231, 255, 191
RGB Percent	91%, 100%, 75%
CMY	0.0933, 0.0000, 0.2502
CMYK	0.09, 0.00, 0.25, 0.00
HSL	82°, 100%, 87%
HSV	82°, 25%, 100%
XYZ	78.2685, 92.4403, 63.1183
YIQ	240.5280, 6.2400, -24.9920

Conversions

Conversions Part 2

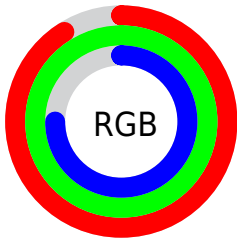
Format	Color
RYB	191, 255, 215
Decimal	15204287
CIELab	97.00, -18.41, 28.07
CIELCh	97, 33.568, 123.269
Yxy	92.4403, 0.3347, 0.3953
Android (android.graphics.Color)	4293394367 (0xFFE7FFBF)
YUV	240.5280, -24.4173, -8.3561
Hunter-Lab	96.1459, -22.9456, 28.3791

Details

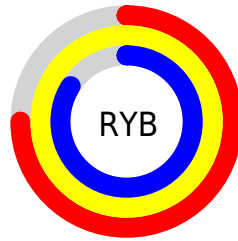
The CIELCh color **97, 33.568, 123.269** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **81, 34.984, 305.975**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 3.539, 109.892**, and **77, 33.491, 123.066** is the 20% darker color. If you saturate the color by 10%, you get **96, 46.575, 122.663**, and if you desaturate by 10%, it is **98, 20.127, 123.738**.

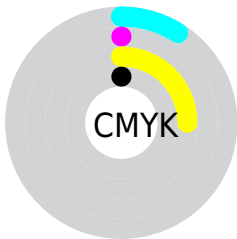
Distribution



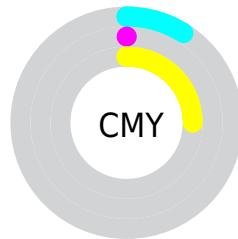
- Red (91%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (84%)



- Cyan (9%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 33.568, 123.269 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, 33.568, 123.269 by changing the saturation by 10% instead.


 97, 33.568,
123.269


 97, 33.568,
123.269

 100, 33.568,
123.269


 87, 33.568,
123.269

 77, 33.568,
123.269

 67, 33.568,
123.269

 57, 33.568,
123.269

 47, 33.568,
123.269

 37, 33.568,
123.269

 27, 33.568,

123.269

■ 17, 33.568,
123.269

■ 7, 33.568, 123.269

■ 97, 33.568,
123.269

■ 97, 33.568,
123.269

■ 96, 46.575,
122.663

■ 98, 20.127,
123.738

■ 95, 59.302,
122.168

■ 99, 6.722, 124.273

■ 94, 71.359,
121.763

100, 0.012,
296.813

■ 93, 82.339,
121.526

■ 93, 91.701,
121.563

■ 92, 98.842,
121.999

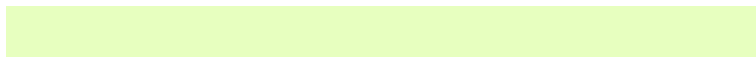
■ 91, 103.368,
122.929

■ 91, 104.867,
123.529

Harmonies

Complementary

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



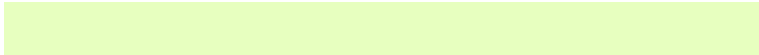
97, 33.568, 123.269



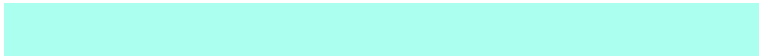
81, 34.984, 305.975

Rectangle

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



97, 33.568, 123.269



97, 33.568, 173.269



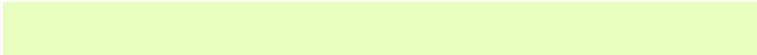
97, 33.568, 303.269



97, 33.568, 353.269

Sweetspot

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



97, 33.454, 123.197



99, 10.716, 124.114



89, 19.908, 57.552



53, 7.617, 124.034



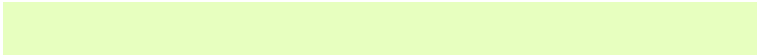
0, 0.000, 0.000



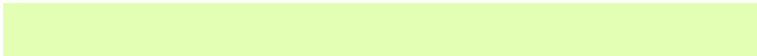
53, 0.007, 296.813

Same Dimension

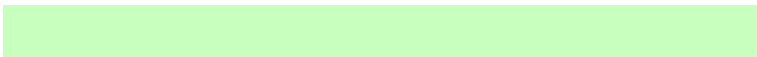
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 33.454, 123.197



96, 40.021, 122.928



95, 38.315, 139.362



53, 7.617, 124.034



70, 84.284, 123.252



24, 37.693, 121.732

Inverse Universe

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



81, 34.984, 305.975



78, 42.270, 306.316



84, 38.599, 321.946



49, 7.750, 305.014



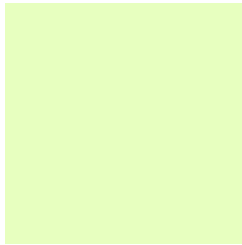
27, 103.227, 309.378



5, 44.867, 309.496

Previews

White Background



This preview shows how the CIE LCh color 97, 33.568, 123.269 looks on a white background.

Color Contrast Check

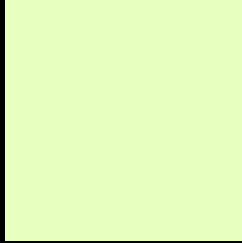
Large Text (above 18pt) WCAG AA × Fail

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, 33.568, 123.269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

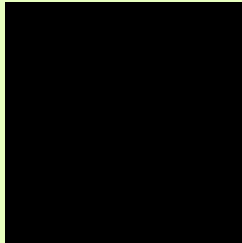
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

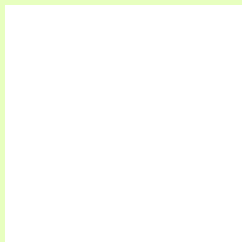
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 97, 33.568, 123.269

Background



This preview shows how black text looks on a background with the CIELCh color 97, 33.568, 123.269.

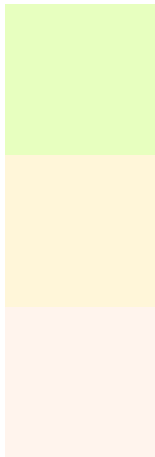


This preview shows how white text looks on a background with the CIELCh color 97, 33.568, 123.269.

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, 33.568, 123.269

Protanopia
97, 15.122, 96.315

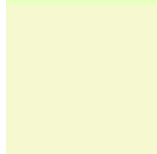
Deuteranopia
97, 5.301, 61.745

Tritanopia
97, 4.650, 282.004

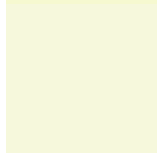
Trichromacy



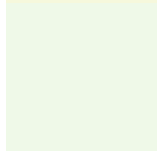
Original Color
97, 33.568, 123.269



Protanomaly
97, 20.851, 111.640



Deuteranomaly
97, 14.269, 112.016

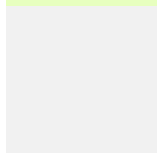


Tritanomaly
97, 9.403, 131.821

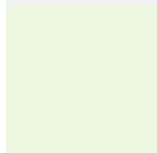
Monochromacy



Original Color
97, 33.568, 123.269



Achromatopsia
95, 0.011, 296.813



Achromatomaly
96, 12.209, 124.725

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 33.568, 123.269 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(231, 255, 191)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 191)  
}
```

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(231, 255, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 33.568, 123.269 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(231, 255, 191) }
```

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

```
.border{ border-color:rgb(231, 255, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 255, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 191);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 33.568, 123.269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 191) }
```

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

```
.background{ background-color: rgb(231,  
255, 191) }
```

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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