

Converting Colors

CIELCh(94, 45.012, 112.162)

Have a look what the booklet for
CIELCh(94, 45.012, 112.162)
contains.

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Color

CIELCh(94, 44.983, 112.173)

Conversions

Conversions Part 1

Format	Color
Hex	EAFF59C
RGB	234, 245, 156
RGB Percent	92%, 96%, 61%
CMY	0.0820, 0.0388, 0.3879
CMYK	0.04, 0.00, 0.36, 0.04
HSL	67°, 82%, 79%
HSV	67°, 36%, 96%
XYZ	72.6501, 85.2715, 44.1209
YIQ	231.5650, 22.0130, -30.0110

Conversions

Conversions Part 2

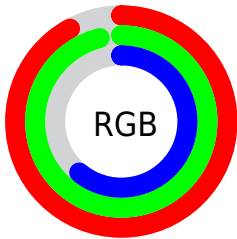
Format	Color
RYB	156, 245, 167
Decimal	15398300
CIELab	94.00, -16.98, 41.66
CIELCh	94, 44.983, 112.173
Yxy	85.2715, 0.3596, 0.4220
Android (android.graphics.Color)	4293588380 (0xFFEAF59C)
YUV	231.5650, -37.2535, 2.1355
Hunter-Lab	92.3426, -21.1654, 36.3113

Details

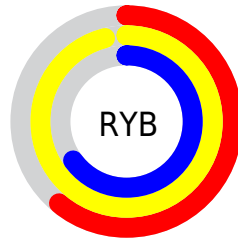
The CIELCh color **94, 44.983, 112.173** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **68, 49.203, 298.767**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 22.227, 108.494**, and **74, 45.244, 112.266** is the 20% darker color. If you saturate the color by 10%, you get **93, 56.667, 111.441**, and if you desaturate by 10%, it is **95, 32.853, 112.955**.

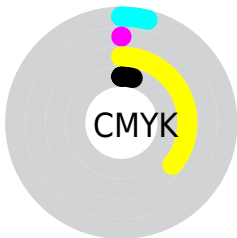
Distribution



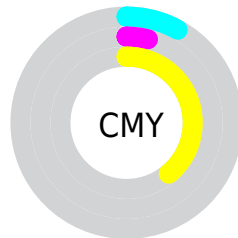
- Red (92%)
- Green (96%)
- Blue (61%)



- Red (61%)
- Yellow (96%)
- Blue (65%)



- Cyan (4%)
- Magenta (0%)
- Yellow (36%)
- Black (4%)



- Cyan (8%)
- Magenta (4%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 94, 44.983, 112.173 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 94, 44.983, 112.173 by changing the saturation by 10% instead.

 94, 44.983,
112.173


 94, 44.983,
112.173


 100, 44.983,
112.173


 84, 44.983,
112.173

 74, 44.983,
112.173

 64, 44.983,
112.173

 54, 44.983,
112.173

 44, 44.983,
112.173

 34, 44.983,
112.173

 24, 44.983,

112.173

■ 14, 44.983,
112.173

■ 4, 44.983, 112.173

■ 94, 44.983,
112.173

■ 94, 44.983,
112.173

■ 93, 56.667,
111.441

■ 95, 32.853,
112.955

■ 93, 67.613,
110.792

■ 95, 20.461,
113.750

■ 93, 77.398,
110.284

■ 96, 7.933, 114.539

■ 92, 85.467,
109.988

■ 97, 4.650, 295.318

■ 97, 5.292, 306.350

■ 92, 91.231,
109.981

■ 97, 5.681, 316.640

■ 92, 94.360,
110.312

■ 98, 6.166, 324.606

■ 92, 95.082,
110.490

Harmonies

Complementary

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



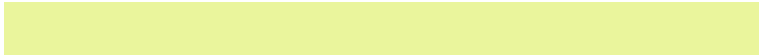
94, 44.983, 112.173



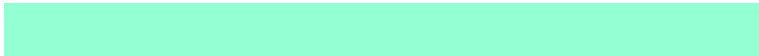
68, 49.203, 298.767

Rectangle

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



94, 44.983, 112.173



94, 44.983, 162.173



94, 44.983, 292.173



94, 44.983, 342.173

Sweetspot

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



94, 44.985, 112.176



99, 14.263, 114.169



76, 32.643, 31.775



53, 9.581, 114.062



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



94, 44.985, 112.176



97, 55.770, 111.599



91, 49.739, 131.329



51, 7.131, 114.290



72, 77.317, 110.365



23, 33.394, 109.942

Inverse Universe

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



68, 49.203, 298.767



65, 62.512, 299.843



72, 51.636, 314.650



47, 7.288, 295.820



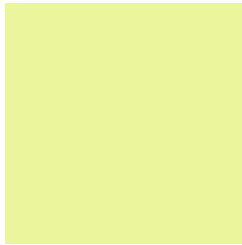
23, 104.882, 306.731



3, 40.276, 302.594

Previews

White Background



This preview shows how the CIELCh color 94, 44.983, 112.173 looks on a white background.

Color Contrast Check

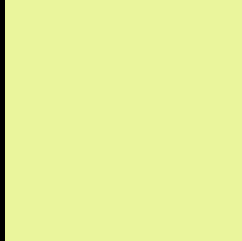
Large Text (above 18pt) WCAG AA × Fail

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 94, 44.983, 112.173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

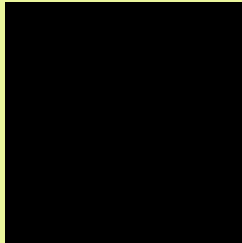
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

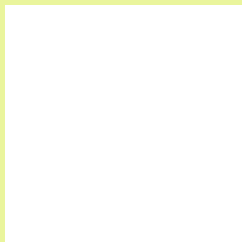
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 94, 44.983, 112.173

Background



This preview shows how black text looks on a background with the CIELCh color 94, 44.983, 112.173.

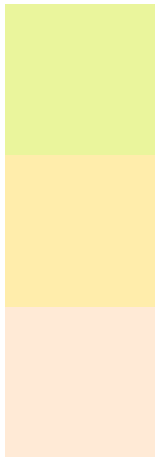


This preview shows how white text looks on a background with the CIELCh color 94, 44.983, 112.173.

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

94, 44.983, 112.173

Protanopia

94, 34.394, 95.577

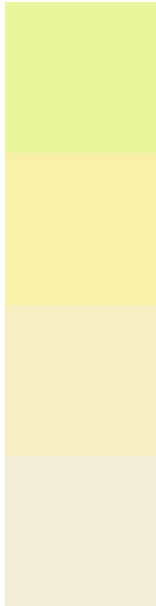
Deuteranopia

94, 12.909, 72.090



Tritanopia
94, 10.844, 315.528

Trichromacy



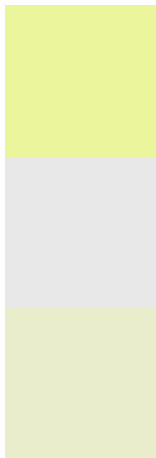
Original Color
94, 44.983, 112.173

Protanomaly
94, 37.637, 102.980

Deuteranomaly
94, 23.259, 99.856

Tritanomaly
94, 10.411, 99.207

Monochromacy



Original Color
94, 44.983, 112.173

Achromatopsia
92, 0.011, 296.813

Achromatomaly
93, 17.001, 113.842

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 94, 44.983, 112.173 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(234, 245, 156)` looks like.

```
.text, #text, p{  
    color:rgb(234, 245, 156)  
}
```

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(234, 245, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 245, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 94, 44.983, 112.173 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(234, 245, 156) }
```

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

```
.border{ border-color:rgb(234, 245, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 245, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 245, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 245, 156);  
box-shadow:4px 4px 4px 4px rgb(234, 245,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 94, 44.983, 112.173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 245, 156) }
```

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

```
.background{ background-color: rgb(234,  
245, 156) }
```

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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