

Converting Colors

CIELCh(93, 42.881, 109.677)

Have a look what the booklet for
CIELCh(93, 42.881, 109.677)
contains.

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Color

CIELCh(93, 42.993, 109.914)

Conversions

Conversions Part 1

Format	Color
Hex	EBF19C
RGB	235, 241, 156
RGB Percent	92%, 95%, 61%
CMY	0.0785, 0.0549, 0.3883
CMYK	0.02, 0.00, 0.35, 0.05
HSL	64°, 75%, 78%
HSV	64°, 35%, 95%
XYZ	71.7115, 82.9670, 43.6842
YIQ	229.5160, 23.7090, -27.7070

Conversions

Conversions Part 2

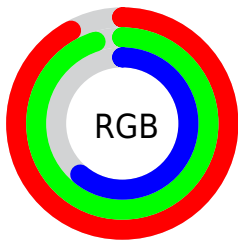
Format	Color
RYB	156, 241, 162
Decimal	15462812
CIELab	93.00, -14.64, 40.42
CIElCh	93, 42.993, 109.914
Yxy	82.9670, 0.3615, 0.4183
Android (android.graphics.Color)	4293652892 (0xFFEBF19C)
YUV	229.5160, -36.2434, 4.8095
Hunter-Lab	91.0862, -18.8693, 35.3254

Details

The CIELCh color **93, 42.993, 109.914** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **68, 46.969, 296.957**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 22.227, 108.494**, and **73, 43.204, 109.903** is the 20% darker color. If you saturate the color by 10%, you get **93, 54.530, 109.100**, and if you desaturate by 10%, it is **94, 31.038, 110.773**.

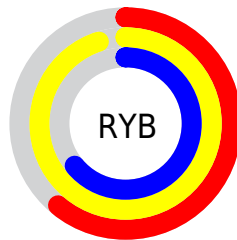
Distribution



Red (92%)

Green (95%)

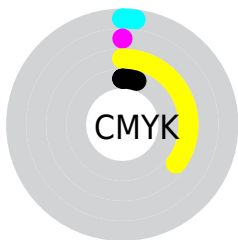
Blue (61%)



Red (61%)

Yellow (95%)

Blue (64%)

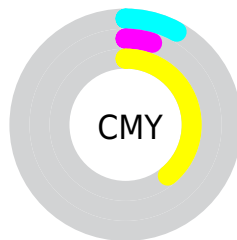


Cyan (2%)

Magenta (0%)

Yellow (35%)

Black (5%)



Cyan (8%)


Magenta (5%)


Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 42.993, 109.914 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 93, 42.993, 109.914 by changing the saturation by 10% instead.

 93, 42.993,
109.914


 93, 42.993,
109.914


 100, 42.993,
109.914


 83, 42.993,
109.914

 73, 42.993,
109.914

 63, 42.993,
109.914

 53, 42.993,
109.914

 43, 42.993,
109.914

 33, 42.993,
109.914

 23, 42.993,

109.914

■ 13, 42.993,
109.914

■ 3, 42.993, 109.914

■ 93, 42.993,
109.914

■ 93, 42.993,
109.914

■ 93, 54.530,
109.100

■ 94, 31.038,
110.773

■ 92, 65.369,
108.357

■ 94, 18.838,
111.642

■ 92, 75.107,
107.735

■ 95, 6.511, 112.502

■ 92, 83.204,
107.290

■ 95, 5.867, 293.363

■ 96, 7.256, 297.587

■ 91, 89.070,
107.085

■ 96, 7.357, 302.144

■ 91, 92.333,
107.161

■ 96, 7.502, 306.565

■ 91, 93.210,
107.268

■ 96, 7.690, 310.808

■ 96, 7.919, 314.841

Harmonies

Complementary

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



93, 42.993, 109.914



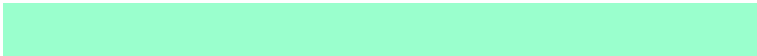
68, 46.969, 296.957

Rectangle

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



93, 42.993, 109.914



93, 42.993, 159.914



93, 42.993, 289.914



93, 42.993, 339.914

Sweetspot

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



93, 42.995, 109.917



99, 14.219, 112.009



74, 32.425, 27.576



53, 9.552, 111.891



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



93, 42.995, 109.917



97, 53.190, 109.351



90, 47.009, 129.725



50, 6.987, 112.143



71, 76.001, 107.195



22, 31.994, 107.215

Inverse Universe

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



68, 46.969, 296.957



66, 59.391, 298.009



72, 49.044, 312.991



46, 7.144, 293.827



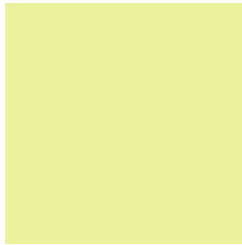
22, 104.191, 306.501



3, 37.986, 300.401

Previews

White Background



This preview shows how the CIELCh color 93, 42.993, 109.914 looks on a white background.

Color Contrast Check

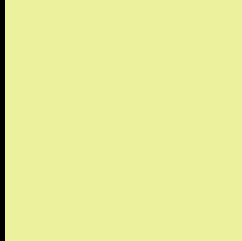
Large Text (above 18pt) WCAG AA × Fail

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 93, 42.993, 109.914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

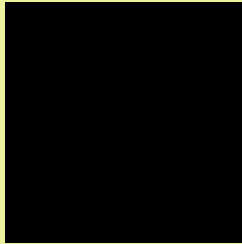
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

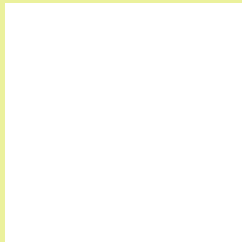
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 93, 42.993, 109.914

Background



This preview shows how black text looks on a background with the CIELCh color 93, 42.993, 109.914.

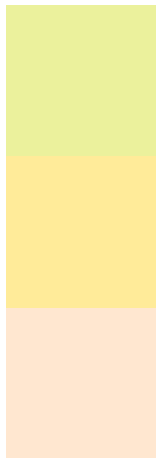


This preview shows how white text looks on a background with the CIELCh color 93, 42.993, 109.914.

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
93, 42.993, 109.914

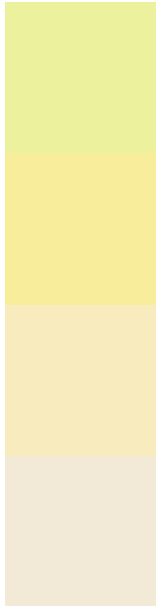
Protanopia
93, 42.445, 95.878

Deuteranopia
93, 14.897, 71.971



Tritanopia
93, 10.910, 321.726

Trichromacy



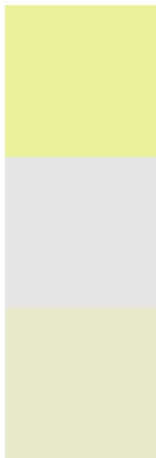
Original Color
93, 42.993, 109.914

Protanomaly
93, 42.297, 100.815

Deuteranomaly
93, 24.093, 96.320

Tritanomaly
93, 10.188, 92.580

Monochromacy



Original Color
93, 42.993, 109.914

Achromatopsia
91, 0.011, 296.813

Achromatomaly
92, 15.961, 111.565

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 42.993, 109.914 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(235, 241, 156)` looks like.

```
.text, #text, p{  
    color:rgb(235, 241, 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(235, 241, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 241, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 42.993, 109.914 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(235, 241, 156) }
```

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

```
.border{ border-color:rgb(235, 241, 156) }
```

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

Here you see how a box with a 4 pixel rgb(235, 241, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 241, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 241, 156);  
box-shadow:4px 4px 4px 4px rgb(235, 241,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 42.993, 109.914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 241, 156) }
```

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

```
.background{ background-color: rgb(235,  
241, 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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