

Converting Colors

CIELCh(93, 42.118, 97.392)

Have a look what the booklet for
CIELCh(93, 42.118, 97.392) contains.

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Color

CIELCh(93, 42.185, 97.510)

Conversions

Conversions Part 1

Format	Color
Hex	FDEC9A
RGB	253, 236, 154
RGB Percent	99%, 93%, 60%
CMY	0.0091, 0.0757, 0.3972
CMYK	0.00, 0.07, 0.39, 0.01
HSL	50°, 96%, 80%
HSV	50°, 39%, 99%
XYZ	76.1139, 82.9670, 42.4513
YIQ	231.7350, 36.4540, -21.8980

Conversions

Conversions Part 2

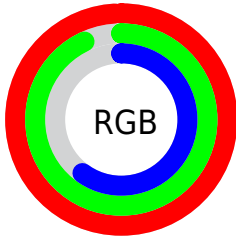
Format	Color
R _Y B	175, 253, 154
Decimal	16641178
CIE Lab	93.00, -5.51, 41.82
CIE LCh	93, 42.185, 97.510
Yxy	82.9670, 0.3777, 0.4117
Android (android.graphics.Color)	4294831258 (0xFFFDEC9A)
YUV	231.7350, -38.3234, 18.6494
Hunter-Lab	91.0862, -10.2420, 36.1279

Details

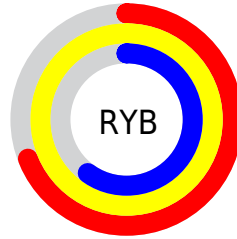
The CIELCh color **93, 42.185, 97.510** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **72, 44.787, 288.000**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 23.230, 108.417**, and **73, 41.822, 97.213** is the 20% darker color. If you saturate the color by 10%, you get **92, 52.648, 96.312**, and if you desaturate by 10%, it is **94, 31.469, 98.706**.

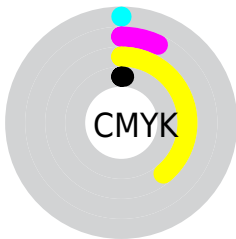
Distribution



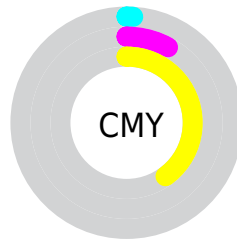
- Red (99%)
- Green (93%)
- Blue (60%)



- Red (69%)
- Yellow (99%)
- Blue (60%)



- Cyan (0%)
- Magenta (7%)
- Yellow (39%)
- Black (1%)



- Cyan (1%)
- Magenta (8%)
- Yellow (40%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 42.185, 97.510 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, 42.185, 97.510 by changing the saturation by 10% instead.

 93, 42.185, 97.510

 93, 42.185, 97.510

 100, 42.185,
97.510

 83, 42.185, 97.510

 73, 42.185, 97.510

 63, 42.185, 97.510

 53, 42.185, 97.510

 43, 42.185, 97.510

 33, 42.185, 97.510

 23, 42.185, 97.510

 13, 42.185, 97.510

 3, 42.185, 97.510

■ 93, 42.185, 97.510

■ 93, 42.185, 97.510

■ 92, 52.648, 96.312

■ 94, 31.469, 98.706

■ 90, 62.578, 95.108

■ 96, 20.660, 99.879

■ 89, 71.526, 93.906

■ 98, 9.851, 101.018

■ 88, 78.829, 92.699

■ 99, 0.905, 282.336

■ 87, 83.697, 91.457

100, 0.803,
200.180

■ 85, 85.766, 90.132

■ 85, 85.886, 90.020

Harmonies

Complementary

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



93, 42.185, 97.510



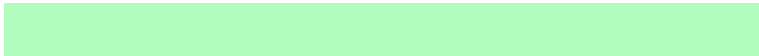
72, 44.787, 288.000

Rectangle

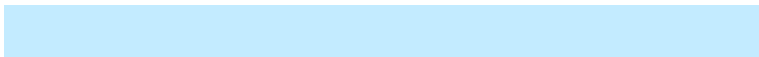
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 42.185, 97.510



93, 42.185, 147.510



93, 42.185, 277.510



93, 42.185, 327.510

Sweetspot

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



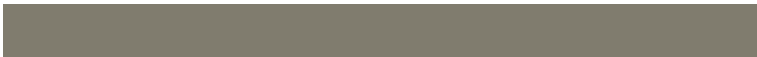
93, 42.186, 97.514



98, 13.006, 100.700



74, 39.623, 9.390



52, 8.630, 100.551



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

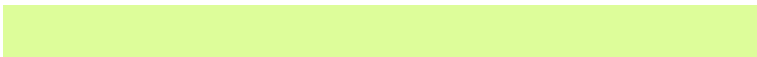
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 42.186, 97.514



93, 50.788, 96.570



95, 50.938, 120.200



52, 6.156, 100.980



66, 69.759, 90.264



22, 31.104, 92.059

Inverse Universe

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



72, 44.787, 288.000



67, 54.908, 289.689



70, 55.244, 305.180



49, 6.240, 283.197



26, 97.225, 303.361



5, 38.654, 298.383

Previews

White Background



This preview shows how the CIE LCh color 93, 42.185, 97.510 looks on a white background.

Color Contrast Check

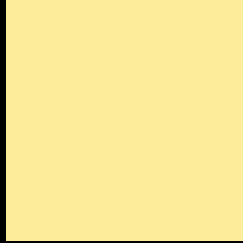
Large Text (above 18pt) WCAG AA × Fail

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, 42.185, 97.510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

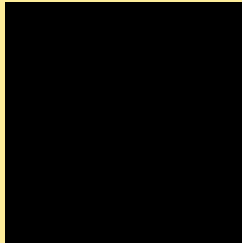
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 93, 42.185, 97.510

Background



This preview shows how black text looks on a background with the CIELCh color 93, 42.185, 97.510.



This preview shows how white text looks on a background with the CIELCh color 93, 42.185, 97.510.

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, 42.185, 97.510

Protanopia

93, 41.474, 95.723

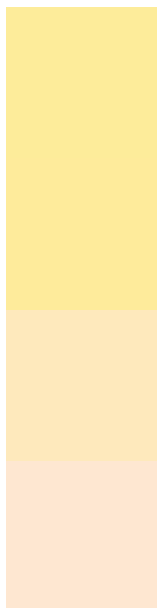
Deuteranopia

93, 14.897, 71.971



Tritanopia
93, 11.481, 347.659

Trichromacy



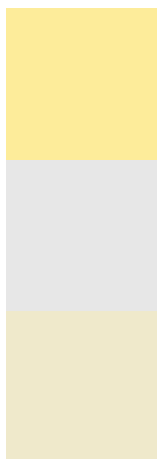
Original Color
93, 42.185, 97.510

Protanomaly
93, 41.392, 96.270

Deuteranomaly
93, 24.501, 88.981

Tritanomaly
93, 14.245, 72.008

Monochromacy



Original Color
93, 42.185, 97.510

Achromatopsia
92, 0.011, 296.813

Achromatomaly
92, 15.582, 100.641

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 42.185, 97.510 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(253, 236, 154)` looks like.

```
.text, #text, p{  
    color:rgb(253, 236, 154)  
}
```

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(253, 236, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 236, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 42.185, 97.510 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(253, 236, 154) }
```

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

```
.border{ border-color:rgb(253, 236, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 236, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 236, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 236, 154);  
box-shadow:4px 4px 4px 4px rgb(253, 236,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 42.185, 97.510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 236, 154) }
```

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

```
.background{ background-color: rgb(253,  
236, 154) }
```

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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