

Converting Colors

CIELCh(93, 42.337, 95.693)

Have a look what the booklet for
CIELCh(93, 42.337, 95.693) contains.

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Color

CIELCh(93, 42.445, 95.878)

Conversions

Conversions Part 1

Format	Color
Hex	FFEB99
RGB	255, 235, 153
RGB Percent	100%, 92%, 60%
CMY	0.0001, 0.0785, 0.4000
CMYK	0.00, 0.08, 0.40, 0.00
HSL	48°, 100%, 80%
HSV	48°, 40%, 100%
XYZ	76.6891, 82.9670, 42.1047
YIQ	231.6320, 38.2420, -21.2620

Conversions

Conversions Part 2

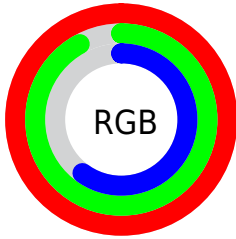
Format	Color
RYB	178, 255, 153
Decimal	16771993
CIELab	93.00, -4.35, 42.22
CIElCh	93, 42.445, 95.878
Yxy	82.9670, 0.3801, 0.4112
Android (android.graphics.Color)	4294962073 (0xFFFFEB99)
YUV	231.6320, -38.7656, 20.4937
Hunter-Lab	91.0862, -9.1147, 36.3535

Details

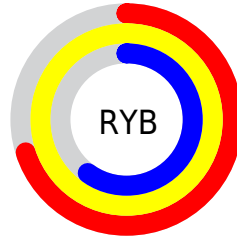
The CIELCh color **93, 42.445, 95.878** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **72, 44.772, 286.866**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 23.732, 108.378**, and **73, 42.099, 95.440** is the 20% darker color. If you saturate the color by 10%, you get **91, 52.806, 94.637**, and if you desaturate by 10%, it is **95, 31.855, 97.111**.

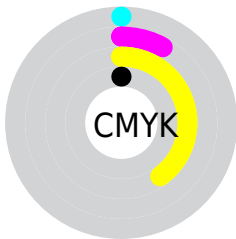
Distribution



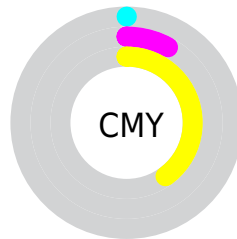
- Red (100%)
- Green (92%)
- Blue (60%)



- Red (70%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (8%)
- Yellow (40%)
- Black (0%)



- Cyan (0%)
- Magenta (8%)
- Yellow (40%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 42.445, 95.878 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, 42.445, 95.878 by changing the saturation by 10% instead.

 93, 42.445, 95.878

 93, 42.445, 95.878

 100, 42.445,
95.878

 83, 42.445, 95.878

 73, 42.445, 95.878

 63, 42.445, 95.878

 53, 42.445, 95.878

 43, 42.445, 95.878

 33, 42.445, 95.878

 23, 42.445, 95.878

 13, 42.445, 95.878

 3, 42.445, 95.878

93, 42.445, 95.878

93, 42.445, 95.878

91, 52.806, 94.637

95, 31.855, 97.111

90, 62.655, 93.379

96, 21.195, 98.316

88, 71.531, 92.107

98, 10.557, 99.484

87, 78.746, 90.799

100, 0.012,
296.899

86, 83.477, 89.409

100, 0.012,
274.626

84, 85.453, 87.882

Harmonies

Complementary

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



93, 42.445, 95.878



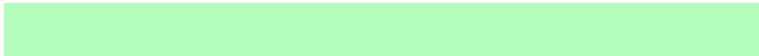
72, 44.772, 286.866

Rectangle

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



93, 42.445, 95.878



93, 42.445, 145.878



93, 42.445, 275.878



93, 42.445, 325.878

Sweetspot

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



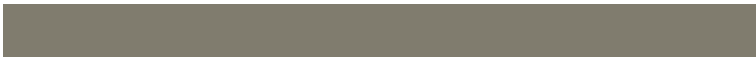
93, 42.446, 95.882



98, 12.680, 99.254



74, 40.894, 8.284



52, 8.416, 99.103



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

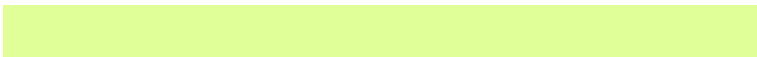
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 42.446, 95.882



92, 50.766, 94.887



96, 52.196, 119.472



52, 6.001, 99.540



65, 68.936, 88.178



22, 30.556, 90.201

Inverse Universe

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



72, 44.772, 286.866



67, 54.463, 288.641



70, 56.841, 304.727



49, 6.072, 281.804



27, 94.865, 302.630



6, 37.798, 297.726

Previews

White Background



This preview shows how the CIE LCh color 93, 42.445, 95.878 looks on a white background.

Color Contrast Check

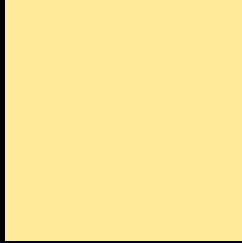
Large Text (above 18pt) WCAG AA × Fail

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, 42.445, 95.878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

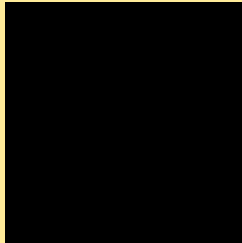
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 93, 42.445, 95.878

Background



This preview shows how black text looks on a background with the CIELCh color 93, 42.445, 95.878.



This preview shows how white text looks on a background with the CIELCh color 93, 42.445, 95.878.

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, 42.445, 95.878

Protanopia

93, 41.474, 95.723

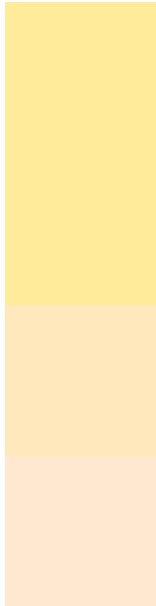
Deuteranopia

93, 14.897, 71.971



Tritanopia
93, 11.221, 349.888

Trichromacy



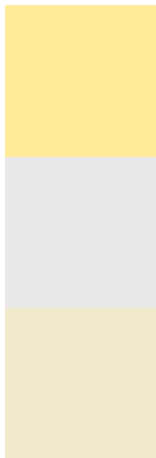
Original Color
93, 42.445, 95.878

Protanomaly
93, 41.960, 95.802

Deuteranomaly
93, 24.319, 86.905

Tritanomaly
93, 14.897, 71.971

Monochromacy



Original Color
93, 42.445, 95.878

Achromatopsia
92, 0.011, 296.813

Achromatomaly
92, 15.640, 99.276

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 42.445, 95.878 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(255, 235, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 153)  
}
```

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(255, 235, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 42.445, 95.878 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(255, 235, 153) }
```

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

```
.border{ border-color:rgb(255, 235, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 42.445, 95.878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 153) }
```

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

```
.background{ background-color: rgb(255,  
235, 153) }
```

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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