

Converting Colors

CIELCh(93, 39.506, 90.533)

Have a look what the booklet for
CIELCh(93, 39.506, 90.533) contains.

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Color

CIELCh(93, 38.794, 93.988)

Conversions

Conversions Part 1

Format	Color
Hex	FFEAA0
RGB	255, 234, 160
RGB Percent	100%, 92%, 63%
CMY	0.0000, 0.0817, 0.3722
CMYK	0.00, 0.08, 0.37, 0.00
HSL	47°, 100%, 81%
HSV	47°, 37%, 100%
XYZ	77.5069, 82.9670, 45.2321
YIQ	231.8430, 36.2700, -18.5620

Conversions

Conversions Part 2

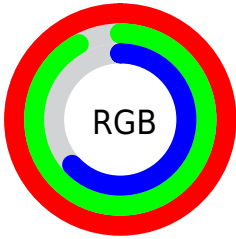
Format	Color
RYB	187, 255, 160
Decimal	16771744
CIELab	93.00, -2.70, 38.70
CIELCh	93, 38.794, 93.988
Yxy	82.9670, 0.3768, 0.4033
Android (android.graphics.Color)	4294961824 (0xFFFFEAA0)
YUV	231.8430, -35.4186, 20.3087
Hunter-Lab	91.0862, -7.5121, 34.3178

Details

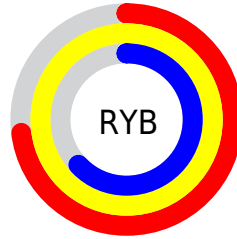
The CIELCh color **93, 38.794, 93.988** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **75, 40.270, 284.955**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 20.216, 108.647**, and **73, 38.744, 94.267** is the 20% darker color. If you saturate the color by 10%, you get **91, 48.981, 93.413**, and if you desaturate by 10%, it is **95, 28.243, 95.945**.

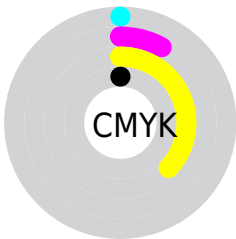
Distribution



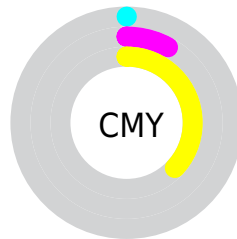
- Red (100%)
- Green (92%)
- Blue (63%)



- Red (73%)
- Yellow (100%)
- Blue (63%)



- Cyan (0%)
- Magenta (8%)
- Yellow (37%)
- Black (0%)



- Cyan (0%)
- Magenta (8%)
- Yellow (37%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 38.794, 93.988 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, 38.794, 93.988 by changing the saturation by 10% instead.

 93, 38.794, 93.988

 93, 38.794, 93.988

 100, 38.794,
93.988

 83, 38.794, 93.988

 73, 38.794, 93.988

 63, 38.794, 93.988

 53, 38.794, 93.988

 43, 38.794, 93.988

 33, 38.794, 93.988

 23, 38.794, 93.988

 13, 38.794, 93.988

 3, 38.794, 93.988

93, 38.794, 93.988

93, 38.794, 93.988

91, 48.981, 93.413

95, 28.243, 95.945

89, 58.917, 92.113

97, 17.800, 97.167

88, 68.095, 90.786

99, 7.419, 98.343

86, 75.893, 89.408

100, 0.012,
296.813

85, 81.484, 87.928

83, 84.169, 86.257

83, 84.605, 85.769

Harmonies

Complementary

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



93, 38.794, 93.988



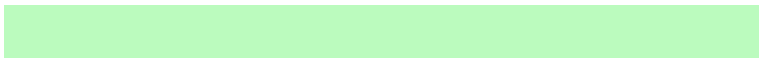
75, 40.270, 284.955

Rectangle

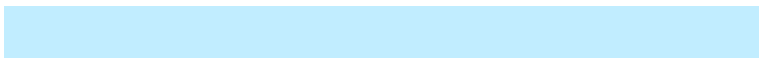
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 38.794, 93.988



93, 38.794, 143.988



93, 38.794, 273.988



93, 38.794, 323.988

Sweetspot

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



93, 38.680, 94.691



98, 11.337, 97.906



76, 38.101, 5.292



52, 7.623, 97.746



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

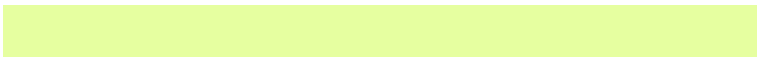
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 38.680, 94.691



92, 46.721, 93.698



96, 48.414, 118.250



52, 5.855, 98.080



64, 68.246, 86.109



21, 30.055, 88.336

Inverse Universe

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



75, 40.270, 284.955



69, 49.292, 286.638



71, 52.532, 303.412



50, 5.914, 280.390



28, 92.421, 301.837



6, 36.906, 296.997

Previews

White Background



This preview shows how the CIELCh color 93, 38.794, 93.988 looks on a white background.

Color Contrast Check

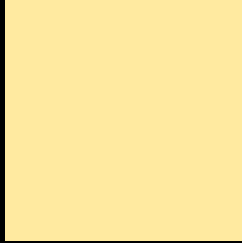
Large Text (above 18pt) WCAG AA × Fail

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, 38.794, 93.988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

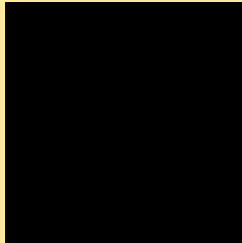
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 93, 38.794, 93.988

Background



This preview shows how black text looks on a background with the CIELCh color 93, 38.794, 93.988.



This preview shows how white text looks on a background with the CIELCh color 93, 38.794, 93.988.

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, 38.669, 94.585

Protanopia

93, 38.952, 95.861

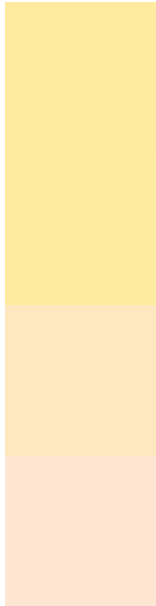
Deuteranopia

93, 14.897, 71.971



Tritanopia
93, 11.795, 348.641

Trichromacy



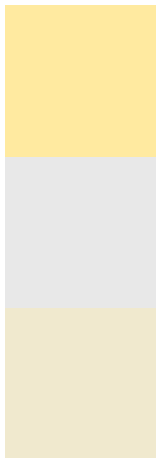
Original Color
93, 38.669, 94.585

Protanomaly
93, 38.952, 95.861

Deuteranomaly
93, 22.883, 85.709

Tritanomaly
93, 13.938, 67.125

Monochromacy



Original Color
93, 38.669, 94.585

Achromatopsia
92, 0.011, 296.813

Achromatomaly
92, 14.121, 98.400

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 38.794, 93.988 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, 234, 160)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 160)  
}
```

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, 234, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 38.794, 93.988 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, 234, 160) }
```

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

```
.border{ border-color:rgb(255, 234, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 160);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 38.794, 93.988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 160) }
```

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

```
.background{ background-color: rgb(255,  
234, 160) }
```

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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