

Converting Colors

CIELCh(91, 39.031, 98.077)

Have a look what the booklet for
CIELCh(91, 39.031, 98.077) contains.

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Color

CIELCh(91, 38.793, 98.110)

Conversions

Conversions Part 1

Format	Color
Hex	F5E69B
RGB	245, 230, 155
RGB Percent	96%, 90%, 61%
CMY	0.0386, 0.0975, 0.3916
CMYK	0.00, 0.06, 0.37, 0.04
HSL	50°, 82%, 78%
HSV	50°, 37%, 96%
XYZ	71.9720, 78.4833, 42.4250
YIQ	225.9350, 33.0150, -20.1450

Conversions

Conversions Part 2

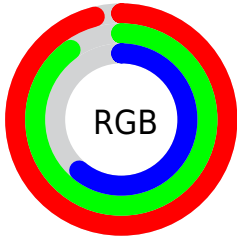
Format	Color
RYB	173, 245, 155
Decimal	16115355
CIELab	91.00, -5.47, 38.41
CIElCh	91, 38.793, 98.110
Yxy	78.4833, 0.3731, 0.4069
Android (android.graphics.Color)	4294305435 (0xFFFF5E69B)
YUV	225.9350, -34.9710, 16.7200
Hunter-Lab	88.5908, -10.0190, 33.6203

Details

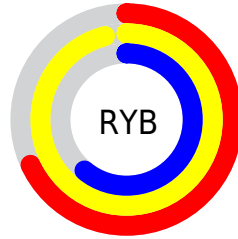
The CIELCh color **91, 38.793, 98.110** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **71, 41.035, 287.760**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 22.729, 108.455**, and **71, 38.775, 98.649** is the 20% darker color. If you saturate the color by 10%, you get **90, 49.118, 96.923**, and if you desaturate by 10%, it is **92, 28.262, 99.294**.

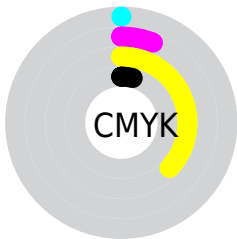
Distribution



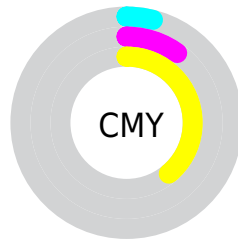
- Red (96%)
- Green (90%)
- Blue (61%)



- Red (68%)
- Yellow (96%)
- Blue (61%)



- Cyan (0%)
- Magenta (6%)
- Yellow (37%)
- Black (4%)



- Cyan (4%)
- Magenta (10%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 38.793, 98.110 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 91, 38.793, 98.110 by changing the saturation by 10% instead.

91, 38.793, 98.110

91, 38.793, 98.110

100, 38.793,
98.110

81, 38.793, 98.110

71, 38.793, 98.110

61, 38.793, 98.110

51, 38.793, 98.110

41, 38.793, 98.110

31, 38.793, 98.110

21, 38.793, 98.110

11, 38.793, 98.110

1, 38.793, 98.110

91, 38.793, 98.110

91, 38.793, 98.110

90, 49.118, 96.923

92, 28.262, 99.294

88, 58.996, 95.732

94, 17.661,
100.452

87, 68.035, 94.545

96, 7.072, 101.572

86, 75.642, 93.361

97, 3.461, 282.740

85, 81.064, 92.160

98, 2.917, 250.356

84, 83.690, 90.894

99, 3.290, 202.431

83, 84.168, 90.467

99, 3.406, 199.384

Harmonies

Complementary

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



91, 38.793, 98.110



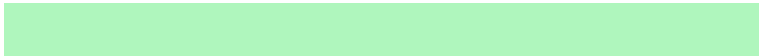
71, 41.035, 287.760

Rectangle

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



91, 38.793, 98.110



91, 38.793, 148.110



91, 38.793, 278.110



91, 38.793, 328.110

Sweetspot

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



91, 38.794, 98.114



98, 11.979, 101.097



73, 36.018, 10.217



52, 8.053, 100.944



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

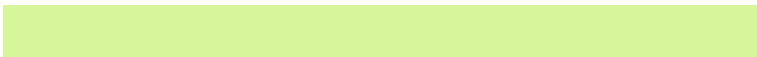
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91, 38.794, 98.114



93, 47.847, 97.236



93, 46.851, 121.008



50, 5.984, 101.268



65, 68.556, 90.706



20, 28.905, 92.682

Inverse Universe

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



71, 41.035, 287.760



69, 51.443, 289.275



70, 50.410, 305.507



47, 6.068, 283.467



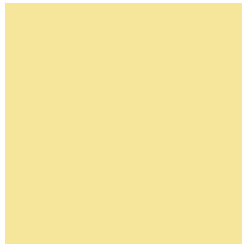
25, 95.595, 303.456



5, 35.295, 296.716

Previews

White Background



This preview shows how the CIE LCh color 91, 38.793, 98.110 looks on a white background.

Color Contrast Check

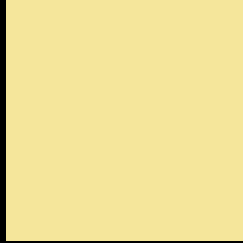
Large Text (above 18pt) WCAG AA × Fail

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 91, 38.793, 98.110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

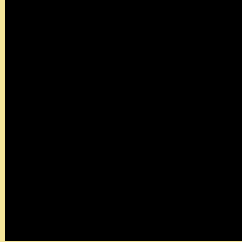
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 91, 38.793, 98.110

Background



This preview shows how black text looks on a background with the CIELCh color 91, 38.793, 98.110.

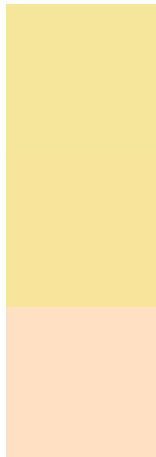


This preview shows how white text looks on a background with the CIELCh color 91, 38.793, 98.110.

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


91, 38.793, 98.110

Protanopia

91, 38.634, 95.665

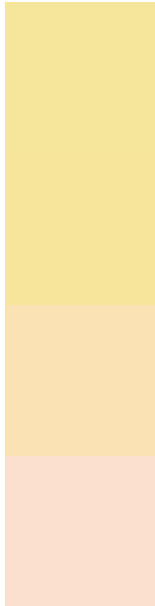
Deuteranopia

91, 19.625, 71.554



Tritanopia
91, 15.048, 344.772

Trichromacy



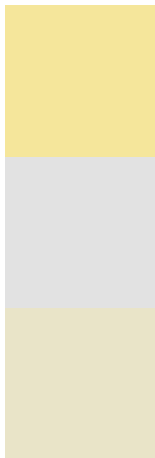
Original Color
91, 38.793, 98.110

Protanomaly
91, 38.551, 96.253

Deuteranomaly
91, 25.713, 85.897

Tritanomaly
91, 13.445, 60.487

Monochromacy



Original Color
91, 38.793, 98.110

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 14.574, 101.599

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 38.793, 98.110 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(245, 230, 155)` looks like.

```
.text, #text, p{  
    color:rgb(245, 230, 155)  
}
```

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(245, 230, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 230, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 38.793, 98.110 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(245, 230, 155) }
```

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

```
.border{ border-color:rgb(245, 230, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 230, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 230, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 230, 155);  
box-shadow:4px 4px 4px 4px rgb(245, 230,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 38.793, 98.110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 230, 155) }
```

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

```
.background{ background-color: rgb(245,  
230, 155) }
```

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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