

Converting Colors

CIELCh(91, 39.074, 89.129)

Have a look what the booklet for
CIELCh(91, 39.074, 89.129) contains.

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Color

CIELCh(91, 38.841, 89.555)

Conversions

Conversions Part 1

Format	Color
Hex	FFE39B
RGB	255, 227, 155
RGB Percent	100%, 89%, 61%
CMY	0.0000, 0.1112, 0.3937
CMYK	0.00, 0.11, 0.39, 0.00
HSL	43°, 100%, 80%
HSV	43°, 39%, 100%
XYZ	74.7425, 78.4833, 42.0473
YIQ	227.1640, 39.8000, -16.4560

Conversions

Conversions Part 2

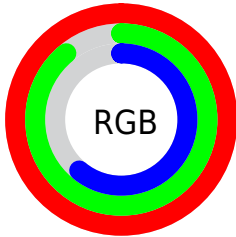
Format	Color
R_{YB}	194, 255, 155
Decimal	16769947
CIE _{Lab}	91.00, 0.30, 38.84
CIE _{LCh}	91, 38.841, 89.555
Yxy	78.4833, 0.3828, 0.4019
Android (android.graphics.Color)	4294960027 (0xFFFFE39B)
YUV	227.1640, -35.5769, 24.4122
Hunter-Lab	88.5908, -4.4366, 33.8731

Details

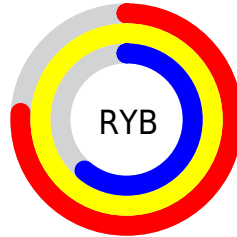
The CIELCh color **91, 38.841, 89.555** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **75, 39.448, 281.457**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 22.729, 108.455**, and **71, 38.658, 90.139** is the 20% darker color. If you saturate the color by 10%, you get **89, 48.688, 88.572**, and if you desaturate by 10%, it is **93, 28.765, 91.278**.

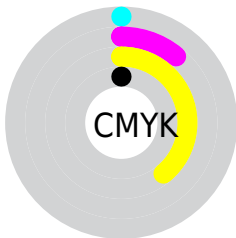
Distribution



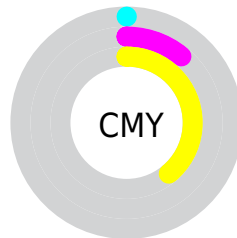
- Red (100%)
- Green (89%)
- Blue (61%)



- Red (76%)
- Yellow (100%)
- Blue (61%)



- Cyan (0%)
- Magenta (11%)
- Yellow (39%)
- Black (0%)



- Cyan (0%)
- Magenta (11%)
- Yellow (39%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 38.841, 89.555 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, 38.841, 89.555 by changing the saturation by 10% instead.

 91, 38.841, 89.555

 91, 38.841, 89.555

 100, 38.841,
89.555

 81, 38.841, 89.555

 71, 38.841, 89.555

 61, 38.841, 89.555

 51, 38.841, 89.555

 41, 38.841, 89.555

 31, 38.841, 89.555

 21, 38.841, 89.555

 11, 38.841, 89.555

 1, 38.841, 89.555

91, 38.841, 89.555

91, 38.841, 89.555

89, 48.688, 88.572

93, 28.765, 91.278

87, 58.340, 87.156

95, 18.839, 92.573

85, 67.309, 85.673

98, 9.037, 93.818

83, 74.933, 84.066

100, 0.012,
296.813

81, 80.310, 82.230

79, 82.890, 80.045

79, 83.018, 79.903

Harmonies

Complementary

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



91, 38.841, 89.555



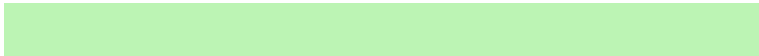
75, 39.448, 281.457

Rectangle

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



91, 38.841, 89.555



91, 38.841, 139.555



91, 38.841, 269.555



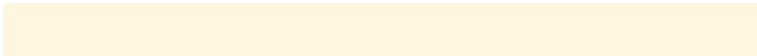
91, 38.841, 319.555

Sweetspot

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



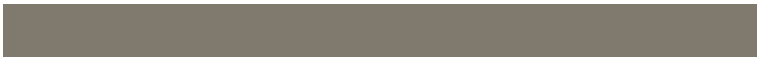
91, 38.754, 89.944



97, 11.603, 93.497



75, 40.898, 1.982



51, 7.705, 93.335



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, 38.754, 89.944



89, 46.350, 88.900



97, 50.716, 116.005



52, 5.485, 93.801



61, 66.935, 80.362



20, 28.867, 83.001

Inverse Universe

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



75, 39.448, 281.457



70, 47.543, 283.235



69, 55.618, 302.053



50, 5.512, 276.229



30, 85.246, 299.275



7, 34.199, 294.456

Previews

White Background



This preview shows how the CIELCh color 91, 38.841, 89.555 looks on a white background.

Color Contrast Check

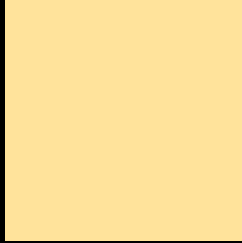
Large Text (above 18pt) WCAG AA × Fail

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, 38.841, 89.555 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, 38.841, 89.555

Background



This preview shows how black text looks on a background with the CIELCh color 91, 38.841, 89.555.



This preview shows how white text looks on a background with the CIELCh color 91, 38.841, 89.555.

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, 38.680, 90.146

Protanopia

91, 38.143, 95.571

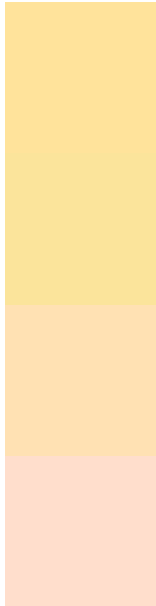
Deuteranopia

91, 20.050, 72.370



Tritanopia
91, 14.095, 354.359

Trichromacy



Original Color

91, 38.680, 90.146

Protanomaly

91, 38.554, 93.198

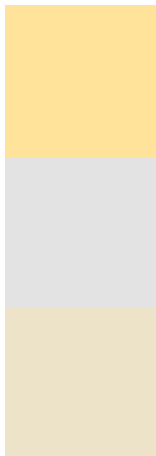
Deuteranomaly

91, 26.584, 81.954

Tritanomaly

91, 15.628, 56.387

Monochromacy



Original Color

91, 38.680, 90.146

Achromatopsia

90, 0.011, 296.813

Achromatomaly

90, 13.941, 93.446

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 38.841, 89.555 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, 227, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 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(255, 227, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 38.841, 89.555 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, 227, 155) }
```

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

```
.border{ border-color:rgb(255, 227, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 227, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 227, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 227, 155); box-shadow:4px 4px 4px 4px rgb(255, 227, 155) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 38.841, 89.555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 155) }
```

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

```
.background{ background-color: rgb(255,  
227, 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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