

Converting Colors

CIE LCh(90, 38.122, 91.010)

Have a look what the booklet for
CIELCh(90, 38.122, 91.010) contains.

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Color

CIELCh(90, 38.161, 90.509)

Conversions

Conversions Part 1

Format	Color
Hex	FBE099
RGB	251, 224, 153
RGB Percent	98%, 88%, 60%
CMY	0.0147, 0.1206, 0.3991
CMYK	0.00, 0.11, 0.39, 0.01
HSL	43°, 93%, 79%
HSV	43°, 39%, 99%
XYZ	72.3627, 76.3034, 41.1497
YIQ	223.9790, 38.8830, -16.3570

Conversions

Conversions Part 2

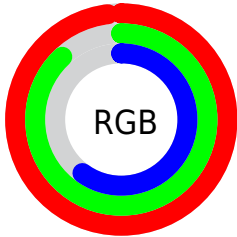
Format	Color
R_{YB}	190, 251, 153
Decimal	16507033
CIE Lab	90.00, -0.34, 38.16
CIE LCh	90, 38.161, 90.509
Yxy	76.3034, 0.3812, 0.4020
Android (android.graphics.Color)	4294697113 (0xFFFB099)
YUV	223.9790, -34.9926, 23.6974
Hunter-Lab	87.3518, -4.9952, 33.2159

Details

The CIELCh color **90, 38.161, 90.509** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **74, 38.952, 281.836**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 23.732, 108.378**, and **70, 38.135, 90.529** is the 20% darker color. If you saturate the color by 10%, you get **88, 48.014, 89.153**, and if you desaturate by 10%, it is **92, 28.249, 91.838**.

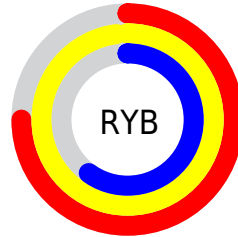
Distribution



Red (98%)

Green (88%)

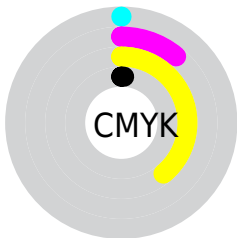
Blue (60%)



Red (75%)

Yellow (98%)

Blue (60%)

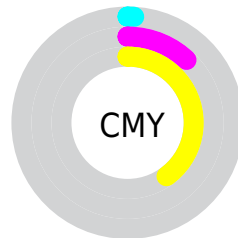


Cyan (0%)

Magenta (11%)

Yellow (39%)

Black (1%)



Cyan (1%)

Magenta (12%)

Yellow (40%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 38.161, 90.509 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 90, 38.161, 90.509 by changing the saturation by 10% instead.

 90, 38.161, 90.509

 90, 38.161, 90.509

 100, 38.161,
90.509

 80, 38.161, 90.509

 70, 38.161, 90.509

 60, 38.161, 90.509

 50, 38.161, 90.509

 40, 38.161, 90.509

 30, 38.161, 90.509

 20, 38.161, 90.509

 10, 38.161, 90.509

 0, 38.161, 90.509

90, 38.161, 90.509

90, 38.161, 90.509

88, 48.014, 89.153

92, 28.249, 91.838

86, 57.582, 87.751

94, 18.391, 93.124

84, 66.475, 86.286

97, 8.649, 94.360

82, 74.050, 84.708

99, 0.952, 275.847

80, 79.427, 82.917

100, 1.302,
199.832

79, 82.021, 80.796

78, 82.218, 80.581

Harmonies

Complementary

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



90, 38.161, 90.509



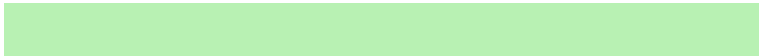
74, 38.952, 281.836

Rectangle

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



90, 38.161, 90.509



90, 38.161, 140.509



90, 38.161, 270.509



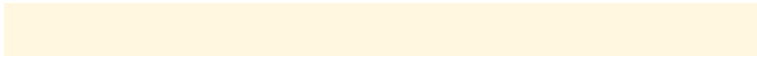
90, 38.161, 320.509

Sweetspot

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



90, 38.162, 90.514



97, 11.684, 93.997



74, 40.031, 1.916



52, 7.758, 93.836



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 38.162, 90.514



90, 46.600, 89.425



95, 49.679, 116.030



51, 5.433, 94.303



60, 66.377, 81.030



19, 27.844, 83.700

Inverse Universe

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



74, 38.952, 281.836



70, 47.984, 283.690



69, 54.421, 302.010



49, 5.463, 276.713



30, 85.136, 299.560



7, 33.177, 294.214

Previews

White Background



This preview shows how the CIE LCh color 90, 38.161, 90.509 looks on a white background.

Color Contrast Check

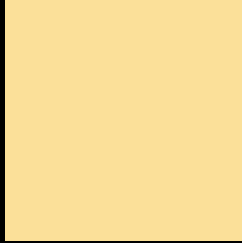
Large Text (above 18pt) WCAG AA × Fail

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 90, 38.161, 90.509 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 90, 38.161, 90.509

Background



This preview shows how black text looks on a background with the CIELCh color 90, 38.161, 90.509.



This preview shows how white text looks on a background with the CIELCh color 90, 38.161, 90.509.

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

90, 38.161, 90.509

Protanopia

90, 37.738, 95.420

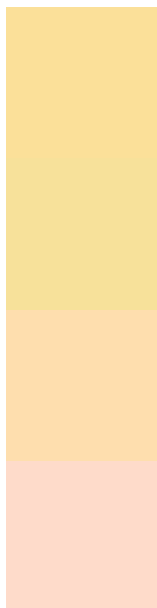
Deuteranopia

90, 22.382, 71.263



Tritanopia
90, 15.883, 353.466

Trichromacy



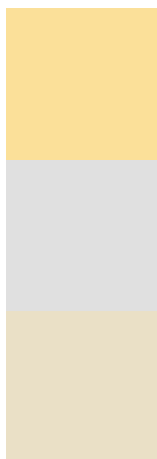
Original Color
90, 38.161, 90.509

Protanomaly
90, 37.561, 93.489

Deuteranomaly
90, 27.966, 81.243

Tritanomaly
90, 15.995, 53.339

Monochromacy



Original Color
90, 38.161, 90.509

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 13.977, 93.423

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 38.161, 90.509 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(251, 224, 153)` looks like.

```
.text, #text, p{  
    color:rgb(251, 224, 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(251, 224, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 224, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 38.161, 90.509 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(251, 224, 153) }
```

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

```
.border{ border-color:rgb(251, 224, 153) }
```

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

Here you see how a box with a 4 pixel rgb(251, 224, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 224, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 224, 153);  
box-shadow:4px 4px 4px 4px rgb(251, 224,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 38.161, 90.509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 224, 153) }
```

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

```
.background{ background-color: rgb(251,  
224, 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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