

Converting Colors

CIELCh(90, 37.717, 88.361)

Have a look what the booklet for
CIELCh(90, 37.717, 88.361) contains.

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Color

CIELCh(90, 37.768, 87.814)

Conversions

Conversions Part 1

Format	Color
Hex	FEDF9A
RGB	254, 223, 154
RGB Percent	100%, 87%, 60%
CMY	0.0033, 0.1248, 0.3955
CMYK	0.00, 0.12, 0.39, 0.00
HSL	41°, 98%, 80%
HSV	41°, 39%, 100%
XYZ	73.2122, 76.3034, 41.5085
YIQ	224.4030, 40.6250, -14.8870

Conversions

Conversions Part 2

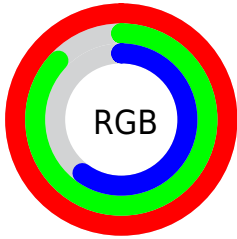
Format	Color
RYB	199, 254, 154
Decimal	16703386
CIELab	90.00, 1.44, 37.74
CIELCh	90, 37.768, 87.814
Yxy	76.3034, 0.3833, 0.3994
Android (android.graphics.Color)	4294893466 (0xFFFE9A)
YUV	224.4030, -34.7087, 25.9566
Hunter-Lab	87.3518, -3.2593, 32.9724

Details

The CIELCh color **90, 37.768, 87.814** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **75, 37.948, 279.528**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 23.230, 108.417**, and **70, 37.750, 87.676** is the 20% darker color. If you saturate the color by 10%, you get **88, 47.564, 86.418**, and if you desaturate by 10%, it is **92, 27.972, 89.178**.

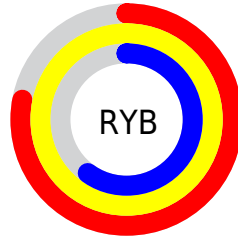
Distribution



Red (100%)

Green (87%)

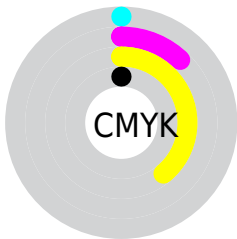
Blue (60%)



Red (78%)

Yellow (100%)

Blue (60%)

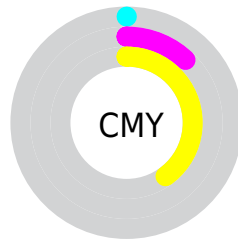


Cyan (0%)

Magenta (12%)

Yellow (39%)

Black (0%)



Cyan (0%)

Magenta (12%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 37.768, 87.814 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, 37.768, 87.814 by changing the saturation by 10% instead.

90, 37.768, 87.814

90, 37.768, 87.814

100, 37.768,
87.814

80, 37.768, 87.814

70, 37.768, 87.814

60, 37.768, 87.814

50, 37.768, 87.814

40, 37.768, 87.814

30, 37.768, 87.814

20, 37.768, 87.814

10, 37.768, 87.814

0, 37.768, 87.814

90, 37.768, 87.814

90, 37.768, 87.814

88, 47.564, 86.418

92, 27.972, 89.178

85, 57.149, 84.966

95, 18.281, 90.496

83, 66.140, 83.434

97, 8.746, 91.761

81, 73.889, 81.754

100, 0.245,
243.938

79, 79.478, 79.799

100, 0.288,
201.691

77, 82.302, 77.430

77, 82.452, 77.271

Harmonies

Complementary

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



90, 37.768, 87.814



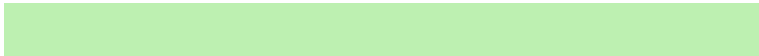
75, 37.948, 279.528

Rectangle

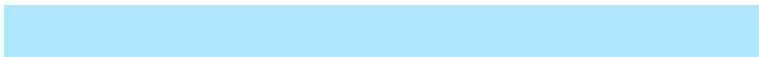
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 37.768, 87.814



90, 37.768, 137.814



90, 37.768, 267.814



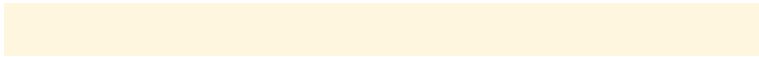
90, 37.768, 317.814

Sweetspot

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



90, 37.769, 87.819



97, 11.287, 91.432



75, 41.187, 359.581



51, 7.496, 91.268



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, 37.769, 87.819



88, 45.392, 86.750



96, 50.341, 114.567



52, 5.334, 91.741



60, 66.617, 77.775



20, 28.426, 80.511

Inverse Universe

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



75, 37.948, 279.528



71, 45.815, 281.347



69, 55.360, 301.015



50, 5.345, 274.216



32, 81.891, 297.936



8, 32.868, 292.993

Previews

White Background



This preview shows how the CIE LCh color 90, 37.768, 87.814 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, 37.768, 87.814 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, 37.768, 87.814

Background



This preview shows how black text looks on a background with the CIELCh color 90, 37.768, 87.814.



This preview shows how white text looks on a background with the CIELCh color 90, 37.768, 87.814.

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, 37.768, 87.814

Protanopia

90, 37.245, 95.320

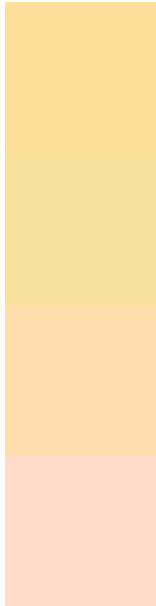
Deuteranopia

90, 22.544, 72.778



Tritanopia
90, 15.672, 355.171

Trichromacy



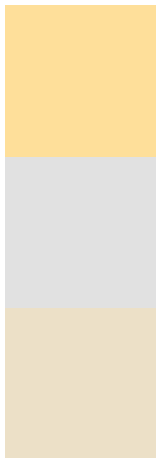
Original Color
90, 37.768, 87.814

Protanomaly
90, 37.177, 92.758

Deuteranomaly
90, 28.158, 80.525

Tritanomaly
90, 16.322, 52.607

Monochromacy



Original Color
90, 37.768, 87.814

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 13.708, 89.851

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 37.768, 87.814 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(254, 223, 154)` looks like.

```
.text, #text, p{  
    color:rgb(254, 223, 154)  
}
```

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(254, 223, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 223, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 37.768, 87.814 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(254, 223, 154) }
```

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

```
.border{ border-color:rgb(254, 223, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 223, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 223, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 223, 154);  
box-shadow:4px 4px 4px 4px rgb(254, 223,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 37.768, 87.814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 223, 154) }
```

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

```
.background{ background-color: rgb(254,  
223, 154) }
```

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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