

Converting Colors

CIELCh(90, 50.776, 91.964)

Have a look what the booklet for
CIELCh(90, 50.776, 91.964) contains.

CIELCh(90, 50.800, 92.370)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(90, 50.800, 92.370)

Conversions

Conversions Part 1

Format	Color
Hex	FEE180
RGB	254, 225, 128
RGB Percent	100%, 88%, 50%
CMY	0.0049, 0.1185, 0.4989
CMYK	0.00, 0.11, 0.50, 0.00
HSL	46°, 98%, 75%
HSV	46°, 50%, 100%
XYZ	71.5283, 76.3034, 31.3049
YIQ	222.6130, 48.4210, -24.0190

Conversions

Conversions Part 2

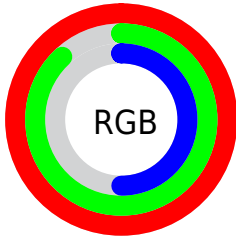
Format	Color
RYB	166, 254, 128
Decimal	16703872
CIELab	90.00, -2.10, 50.76
CIElCh	90, 50.800, 92.370
Yxy	76.3034, 0.3993, 0.4260
Android (android.graphics.Color)	4294893952 (0xFFFE180)
YUV	222.6130, -46.6442, 27.5264
Hunter-Lab	87.3518, -6.7003, 39.8981

Details

The CIELCh color **90, 50.800, 92.370** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **66, 53.823, 287.133**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 36.170, 107.421**, and **70, 50.715, 92.403** is the 20% darker color. If you saturate the color by 10%, you get **88, 60.527, 91.048**, and if you desaturate by 10%, it is **92, 40.659, 93.673**.

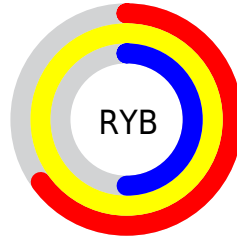
Distribution



Red (100%)

Green (88%)

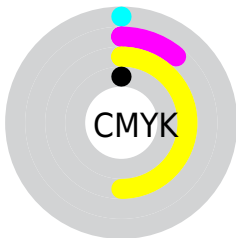
Blue (50%)



Red (65%)

Yellow (100%)

Blue (50%)

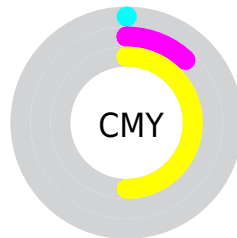


Cyan (0%)

Magenta (11%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (12%)

Yellow (50%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 50.800, 92.370 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, 50.800, 92.370 by changing the saturation by 10% instead.

 90, 50.800, 92.370

 90, 50.800, 92.370

 100, 50.800,
92.370

 80, 50.800, 92.370

 70, 50.800, 92.370

 60, 50.800, 92.370

 50, 50.800, 92.370

 40, 50.800, 92.370

 30, 50.800, 92.370

 20, 50.800, 92.370

 10, 50.800, 92.370

 0, 50.800, 92.370

90, 50.800, 92.370

90, 50.800, 92.370

88, 60.527, 91.048

92, 40.659, 93.673

87, 69.402, 89.684

94, 30.357, 94.947

85, 76.749, 88.249

96, 20.039, 96.189

83, 81.715, 86.674

98, 9.783, 97.389

82, 83.899, 84.881

100, 0.372,
279.141

82, 83.958, 84.816

100, 0.433,
200.910

Harmonies

Complementary

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



90, 50.800, 92.370



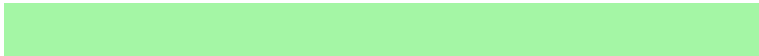
66, 53.823, 287.133

Rectangle

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



90, 50.800, 92.370



90, 50.800, 142.370



90, 50.800, 272.370



90, 50.800, 322.370

Sweetspot

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



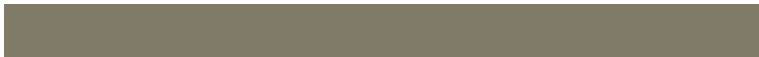
90, 50.801, 92.374



97, 15.328, 96.752



69, 51.215, 7.711



51, 10.469, 96.498



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, 50.801, 92.374



89, 61.103, 90.998



95, 63.329, 117.571



52, 5.791, 97.405



63, 67.972, 85.170



21, 29.840, 87.481

Inverse Universe

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



66, 53.823, 287.133



60, 66.420, 289.868



62, 71.134, 304.651



50, 5.845, 279.735



28, 91.283, 301.455



6, 36.487, 296.637

Previews

White Background



This preview shows how the CIELCh color 90, 50.800, 92.370 looks on a white background.

Color Contrast Check

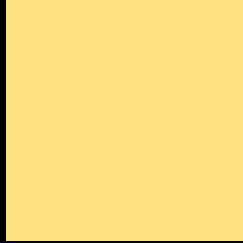
Large Text (above 18pt) WCAG AA × Fail

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, 50.800, 92.370 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, 50.800, 92.370

Background



This preview shows how black text looks on a background with the CIELCh color 90, 50.800, 92.370.

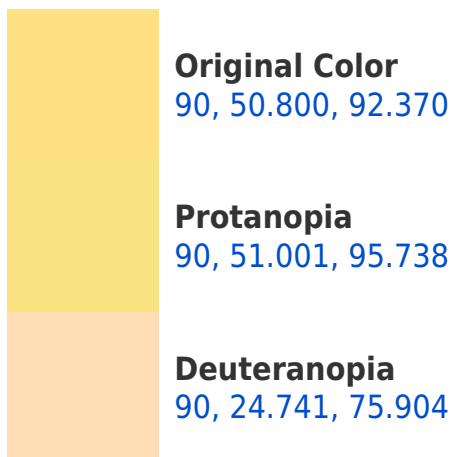


This preview shows how white text looks on a background with the CIELCh color 90, 50.800, 92.370.

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](#).

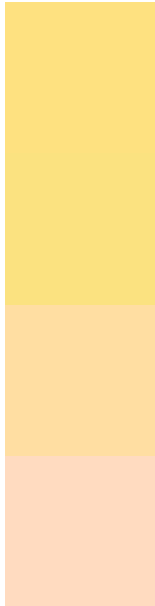
Dichromacy





Tritanopia
90, 15.672, 355.171

Trichromacy



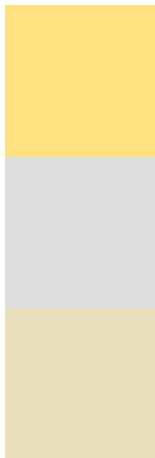
Original Color
90, 50.800, 92.370

Protanomaly
90, 50.828, 94.288

Deuteranomaly
90, 33.806, 84.535

Tritanomaly
90, 19.818, 64.569

Monochromacy



Original Color
90, 50.800, 92.370

Achromatopsia
88, 0.011, 296.813

Achromatomaly
89, 18.610, 95.592

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 50.800, 92.370 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, 225, 128)` looks like.

```
.text, #text, p{  
    color:rgb(254, 225, 128)  
}
```

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, 225, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 225, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 50.800, 92.370 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, 225, 128) }
```

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

```
.border{ border-color:rgb(254, 225, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 225, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 225, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 225, 128);  
box-shadow:4px 4px 4px 4px rgb(254, 225,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 50.800, 92.370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 225, 128) }
```

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

```
.background{ background-color: rgb(254,  
225, 128) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor