

Converting Colors

CIELCh(97, 62.234, 63.944)

Have a look what the booklet for
CIELCh(97, 62.234, 63.944) contains.

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Color

CIELCh(90, 45.874, 90.364)

Conversions

Conversions Part 1

Format	Color
Hex	FFE08A
RGB	255, 224, 138
RGB Percent	100%, 88%, 54%
CMY	0.0006, 0.1221, 0.4593
CMYK	0.00, 0.12, 0.46, 0.00
HSL	44°, 100%, 77%
HSV	44°, 46%, 100%
XYZ	72.3854, 76.3034, 34.9094
YIQ	223.4650, 46.0820, -20.1740

Conversions

Conversions Part 2

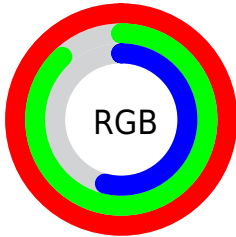
Format	Color
R_{YB}	180, 255, 138
Decimal	16769162
CIE Lab	90.00, -0.29, 45.87
CIE LCh	90, 45.874, 90.364
Yxy	76.3034, 0.3943, 0.4156
Android (android.graphics.Color)	4294959242 (0xFFFFE08A)
YUV	223.4650, -42.1342, 27.6562
Hunter-Lab	87.3518, -4.9490, 37.4515

Details

The CIELCh color **90, 45.874, 90.364** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **70, 47.436, 284.108**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 31.221, 107.803**, and **70, 45.859, 90.522** is the 20% darker color. If you saturate the color by 10%, you get **88, 55.708, 88.995**, and if you desaturate by 10%, it is **92, 35.815, 91.706**.

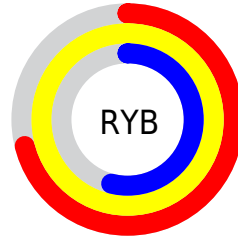
Distribution



Red (100%)

Green (88%)

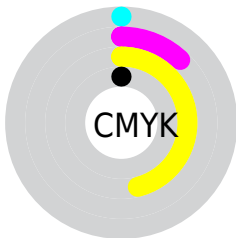
Blue (54%)



Red (71%)

Yellow (100%)

Blue (54%)

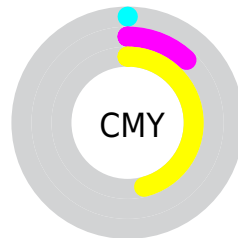


Cyan (0%)

Magenta (12%)

Yellow (46%)

Black (0%)



Cyan (0%)

Magenta (12%)

Yellow (46%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 45.874, 90.364 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, 45.874, 90.364 by changing the saturation by 10% instead.

 90, 45.874, 90.364

 90, 45.874, 90.364

 100, 45.874,
90.364

 80, 45.874, 90.364

 70, 45.874, 90.364

 60, 45.874, 90.364

 50, 45.874, 90.364

 40, 45.874, 90.364

 30, 45.874, 90.364

 20, 45.874, 90.364

 10, 45.874, 90.364

 0, 45.874, 90.364

90, 45.874, 90.364

90, 45.874, 90.364

88, 55.708, 88.995

92, 35.815, 91.706

86, 64.972, 87.572

94, 25.719, 93.009

84, 73.096, 86.064

96, 15.689, 94.273

83, 79.248, 84.396

99, 5.775, 95.476

81, 82.580, 82.441

100, 0.050,
212.864

80, 83.322, 81.567

Harmonies

Complementary

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



90, 45.874, 90.364



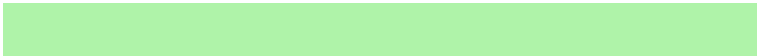
70, 47.436, 284.108

Rectangle

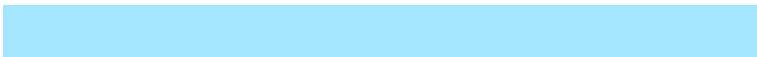
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 45.874, 90.364



90, 45.874, 140.364



90, 45.874, 270.364



90, 45.874, 320.364

Sweetspot

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



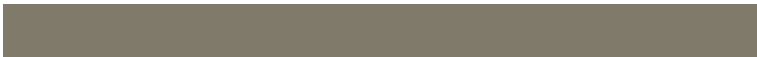
90, 45.875, 90.368



97, 13.801, 94.507



71, 47.677, 4.420



51, 9.542, 94.241



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, 45.875, 90.368



88, 54.864, 89.120



96, 58.771, 116.332



52, 5.585, 95.053



62, 67.220, 81.993



20, 29.174, 84.540

Inverse Universe

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



70, 47.436, 284.108



64, 57.599, 286.436



64, 65.580, 303.281



50, 5.621, 277.449



30, 87.326, 300.058



7, 35.002, 295.265

Previews

White Background



This preview shows how the CIELCh color 90, 45.874, 90.364 looks on a white background.

Color Contrast Check

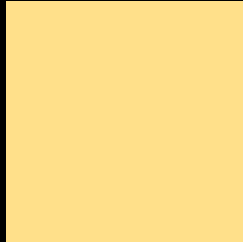
Large Text (above 18pt) WCAG AA × Fail

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, 45.874, 90.364 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, 45.874, 90.364

Background



This preview shows how black text looks on a background with the CIELCh color 90, 45.874, 90.364.



This preview shows how white text looks on a background with the CIELCh color 90, 45.874, 90.364.

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, 45.874, 90.364

Protanopia

90, 45.594, 96.122

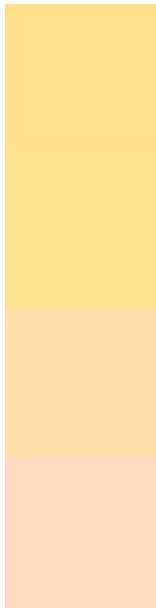
Deuteranopia

90, 23.854, 74.728



Tritanopia
90, 15.672, 355.171

Trichromacy



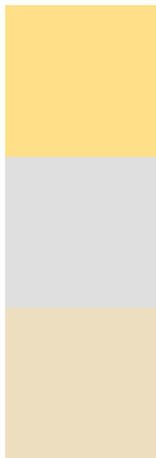
Original Color
90, 45.874, 90.364

Protanomaly
90, 45.502, 94.006

Deuteranomaly
90, 31.437, 83.065

Tritanomaly
90, 18.323, 60.357

Monochromacy



Original Color
90, 45.874, 90.364

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 16.697, 92.964

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 45.874, 90.364 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, 224, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 138)  
}
```

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, 224, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 45.874, 90.364 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, 224, 138) }
```

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

```
.border{ border-color:rgb(255, 224, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 224, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 45.874, 90.364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 138) }
```

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

```
.background{ background-color: rgb(255,  
224, 138) }
```

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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