

Converting Colors

CIELCh(90, 45.596, 91.380)

Have a look what the booklet for
CIELCh(90, 45.596, 91.380) contains.

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Color

CIELCh(90, 45.629, 91.357)

Conversions

Conversions Part 1

Format	Color
Hex	FDE08A
RGB	253, 224, 138
RGB Percent	99%, 88%, 54%
CMY	0.0064, 0.1201, 0.4575
CMYK	0.00, 0.11, 0.45, 0.01
HSL	45°, 97%, 77%
HSV	45°, 45%, 99%
XYZ	72.0107, 76.3034, 35.1063
YIQ	222.8670, 44.8900, -20.5980

Conversions

Conversions Part 2

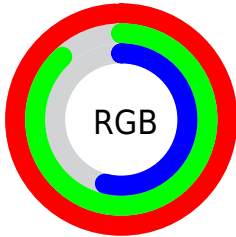
Format	Color
RYB	177, 253, 138
Decimal	16638090
CIELab	90.00, -1.08, 45.62
CIElCh	90, 45.629, 91.357
Yxy	76.3034, 0.3926, 0.4160
Android (android.graphics.Color)	4294828170 (0xFFFDE08A)
YUV	222.8670, -41.8394, 26.4266
Hunter-Lab	87.3518, -5.7146, 37.3178

Details

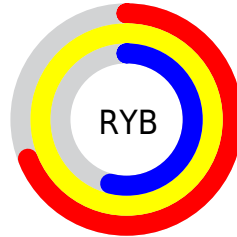
The CIELCh color **90, 45.629, 91.357** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **70, 47.449, 284.781**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 31.221, 107.803**, and **70, 45.607, 91.593** is the 20% darker color. If you saturate the color by 10%, you get **88, 55.478, 90.010**, and if you desaturate by 10%, it is **92, 35.541, 92.680**.

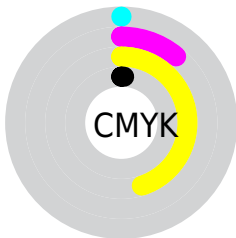
Distribution



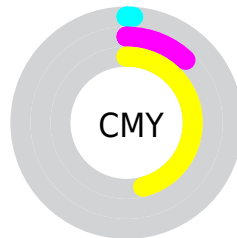
- Red (99%)
- Green (88%)
- Blue (54%)



- Red (69%)
- Yellow (99%)
- Blue (54%)



- Cyan (0%)
- Magenta (11%)
- Yellow (45%)
- Black (1%)



- Cyan (1%)
- Magenta (12%)
- Yellow (46%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 45.629, 91.357 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, 45.629, 91.357 by changing the saturation by 10% instead.

 90, 45.629, 91.357

 90, 45.629, 91.357

 100, 45.629,
91.357

 80, 45.629, 91.357

 70, 45.629, 91.357

 60, 45.629, 91.357

 50, 45.629, 91.357

 40, 45.629, 91.357

 30, 45.629, 91.357

 20, 45.629, 91.357

 10, 45.629, 91.357

 0, 45.629, 91.357

90, 45.629, 91.357

90, 45.629, 91.357

88, 55.478, 90.010

92, 35.541, 92.680

86, 64.748, 88.616

94, 25.401, 93.967

85, 72.879, 87.151

96, 15.313, 95.216

83, 79.059, 85.548

98, 5.329, 96.403

81, 82.453, 83.695

100, 0.563,
200.546

80, 83.251, 82.763

Harmonies

Complementary

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



90, 45.629, 91.357



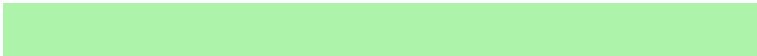
70, 47.449, 284.781

Rectangle

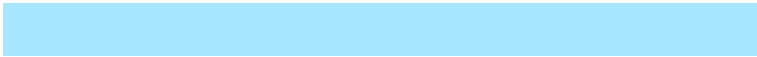
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 45.629, 91.357



90, 45.629, 141.357



90, 45.629, 271.357



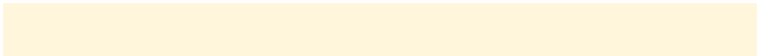
90, 45.629, 321.357

Sweetspot

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



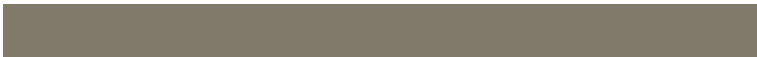
90, 45.630, 91.361



97, 13.979, 95.387



71, 46.926, 4.317



51, 9.664, 95.123



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, 45.630, 91.361



89, 54.403, 90.199



95, 57.900, 116.361



52, 5.659, 95.928



62, 67.465, 83.158



21, 29.408, 85.627

Inverse Universe

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



70, 47.449, 284.781



65, 57.453, 286.941



64, 64.509, 303.224



50, 5.701, 278.300



29, 88.793, 300.589



7, 35.558, 295.797

Previews

White Background



This preview shows how the CIE LCh color 90, 45.629, 91.357 looks on a white background.

Color Contrast Check

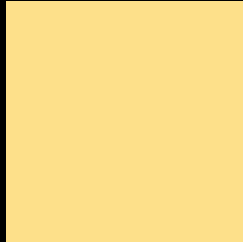
Large Text (above 18pt) WCAG AA × Fail

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, 45.629, 91.357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

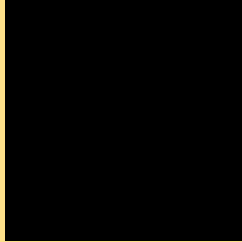
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 45.629, 91.357

Background



This preview shows how black text looks on a background with the CIELCh color 90, 45.629, 91.357.

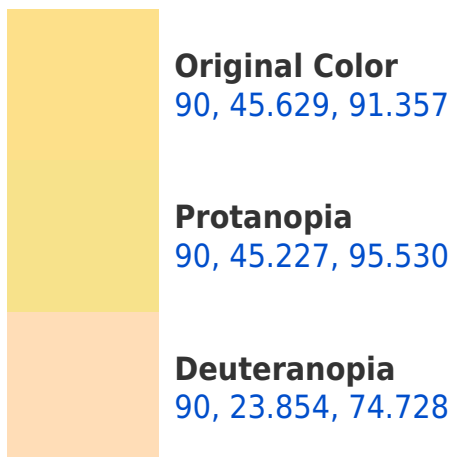


This preview shows how white text looks on a background with the CIELCh color 90, 45.629, 91.357.

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](#).

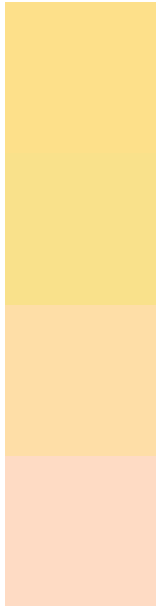
Dichromacy





Tritanopia
90, 15.672, 355.171

Trichromacy



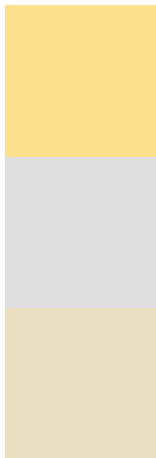
Original Color
90, 45.629, 91.357

Protanomaly
90, 45.053, 93.903

Deuteranomaly
90, 31.261, 83.729

Tritanomaly
90, 18.025, 61.152

Monochromacy



Original Color
90, 45.629, 91.357

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 16.596, 94.237

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 45.629, 91.357 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(253, 224, 138)` looks like.

```
.text, #text, p{  
    color:rgb(253, 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(253, 224, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 224, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 45.629, 91.357 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(253, 224, 138) }
```

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

```
.border{ border-color:rgb(253, 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(253, 224, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 224, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 224, 138);  
box-shadow:4px 4px 4px 4px rgb(253, 224,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 45.629, 91.357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 224, 138) }
```

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

```
.background{ background-color: rgb(253,  
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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