

Converting Colors

CIELCh(90, 37.850, 85.937)

Have a look what the booklet for
CIELCh(90, 37.850, 85.937) contains.

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Color

CIELCh(90, 37.622, 86.437)

Conversions

Conversions Part 1

Format	Color
Hex	FFDF9B
RGB	255, 223, 155
RGB Percent	100%, 87%, 61%
CMY	0.0000, 0.1270, 0.3938
CMYK	0.00, 0.13, 0.39, 0.00
HSL	41°, 100%, 80%
HSV	41°, 39%, 100%
XYZ	73.6431, 76.3034, 41.6729
YIQ	224.8160, 40.9000, -14.3640

Conversions

Conversions Part 2

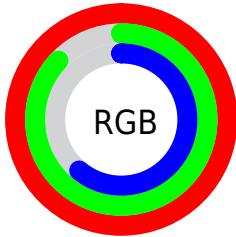
Format	Color
R _Y B	202, 255, 155
Decimal	16768923
CIE Lab	90.00, 2.34, 37.55
CIE LCh	90, 37.622, 86.437
Yxy	76.3034, 0.3843, 0.3982
Android (android.graphics.Color)	4294959003 (0xFFFFDF9B)
YUV	224.8160, -34.4193, 26.4714
Hunter-Lab	87.3518, -2.3788, 32.8608

Details

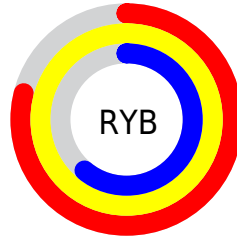
The CIELCh color **90, 37.622, 86.437** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **76, 37.467, 278.622**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 22.729, 108.455**, and **70, 37.414, 86.868** is the 20% darker color. If you saturate the color by 10%, you get **88, 47.299, 85.403**, and if you desaturate by 10%, it is **92, 27.771, 88.184**.

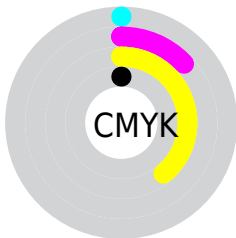
Distribution



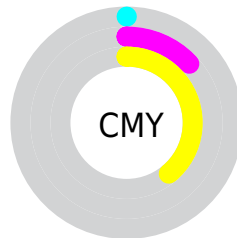
- Red (100%)
- Green (87%)
- Blue (61%)



- Red (79%)
- Yellow (100%)
- Blue (61%)



- Cyan (0%)
- Magenta (13%)
- Yellow (39%)
- Black (0%)



- Cyan (0%)
- Magenta (13%)
- Yellow (39%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 37.622, 86.437 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, 37.622, 86.437 by changing the saturation by 10% instead.

 90, 37.622, 86.437

 90, 37.622, 86.437

 100, 37.622,
86.437

 80, 37.622, 86.437

 70, 37.622, 86.437

 60, 37.622, 86.437

 50, 37.622, 86.437

 40, 37.622, 86.437

 30, 37.622, 86.437

 20, 37.622, 86.437

 10, 37.622, 86.437

 0, 37.622, 86.437

90, 37.622, 86.437

90, 37.622, 86.437

88, 47.299, 85.403

92, 27.771, 88.184

85, 56.894, 83.937

95, 18.144, 89.511

83, 65.931, 82.386

98, 8.688, 90.784

81, 73.764, 80.676

100, 0.012,
296.813

79, 79.466, 78.671

77, 82.408, 76.221

77, 82.559, 76.065

Harmonies

Complementary

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



90, 37.622, 86.437



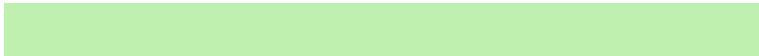
76, 37.467, 278.622

Rectangle

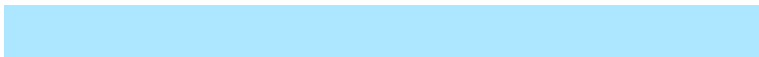
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 37.622, 86.437



90, 37.622, 136.437



90, 37.622, 266.437



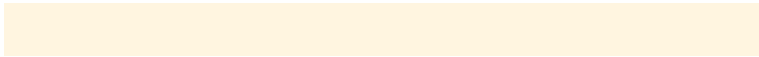
90, 37.622, 316.437

Sweetspot

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



90, 37.523, 86.815



97, 11.149, 90.457



75, 41.567, 358.411



51, 7.405, 90.292



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, 37.523, 86.815



88, 44.980, 85.743



97, 50.413, 113.837



52, 5.267, 90.768



59, 66.527, 76.595



19, 28.244, 79.354

Inverse Universe

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



76, 37.467, 278.622



71, 45.049, 280.448



69, 55.516, 300.505



50, 5.272, 273.263



32, 80.343, 297.282



8, 32.238, 292.241

Previews

White Background



This preview shows how the CIELCh color 90, 37.622, 86.437 looks on a white background.

Color Contrast Check

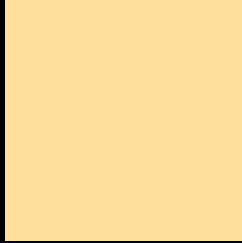
Large Text (above 18pt) WCAG AA × Fail

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, 37.622, 86.437 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, 37.622, 86.437

Background



This preview shows how black text looks on a background with the CIELCh color 90, 37.622, 86.437.



This preview shows how white text looks on a background with the CIELCh color 90, 37.622, 86.437.

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, 37.436, 87.037

Protanopia

90, 36.752, 95.215

Deuteranopia

90, 22.382, 71.263



Tritanopia
90, 15.672, 355.171

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 37.622, 86.437 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, 223, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 155)  
}
```

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, 223, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 37.622, 86.437 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, 223, 155) }
```

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

```
.border{ border-color:rgb(255, 223, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 223, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 37.622, 86.437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 155) }
```

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

```
.background{ background-color: rgb(255,  
223, 155) }
```

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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