

Converting Colors

CIELCh(93, 43.234, 72.698)

Have a look what the booklet for
CIELCh(93, 43.234, 72.698) contains.

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Color

CIELCh(90, 37.256, 87.640)

Conversions

Conversions Part 1

Format	Color
Hex	FEDF9B
RGB	254, 223, 155
RGB Percent	100%, 87%, 61%
CMY	0.0036, 0.1250, 0.3915
CMYK	0.00, 0.12, 0.39, 0.00
HSL	41°, 98%, 80%
HSV	41°, 39%, 100%
XYZ	73.2571, 76.3034, 41.9532
YIQ	224.5170, 40.3040, -14.5760

Conversions

Conversions Part 2

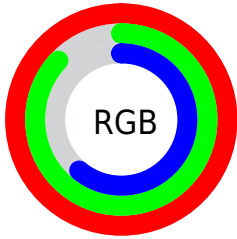
Format	Color
R _Y B	200, 254, 155
Decimal	16703387
CIE Lab	90.00, 1.53, 37.22
CIE LCh	90, 37.256, 87.640
Yxy	76.3034, 0.3825, 0.3984
Android (android.graphics.Color)	4294893467 (0xFFFE9B)
YUV	224.5170, -34.2719, 25.8566
Hunter-Lab	87.3518, -3.1677, 32.6705

Details

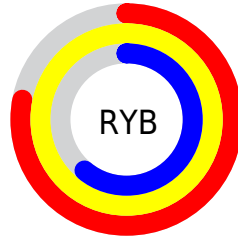
The CIELCh color **90, 37.256, 87.640** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **76, 37.374, 279.222**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 22.729, 108.455**, and **70, 37.254, 87.495** is the 20% darker color. If you saturate the color by 10%, you get **88, 47.042, 86.243**, and if you desaturate by 10%, it is **92, 27.483, 89.005**.

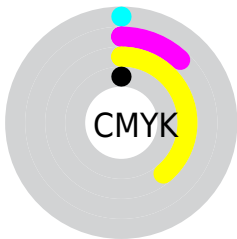
Distribution



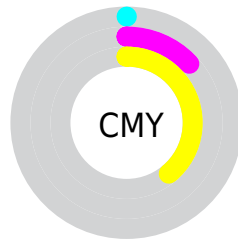
- Red (100%)
- Green (87%)
- Blue (61%)



- Red (78%)
- Yellow (100%)
- Blue (61%)



- Cyan (0%)
- Magenta (12%)
- Yellow (39%)
- Black (0%)



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 37.256, 87.640 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, 37.256, 87.640 by changing the saturation by 10% instead.

 90, 37.256, 87.640

 90, 37.256, 87.640

 100, 37.256,
87.640

 80, 37.256, 87.640

 70, 37.256, 87.640

 60, 37.256, 87.640

 50, 37.256, 87.640

 40, 37.256, 87.640

 30, 37.256, 87.640

 20, 37.256, 87.640

 10, 37.256, 87.640

 0, 37.256, 87.640

90, 37.256, 87.640

90, 37.256, 87.640

88, 47.042, 86.243

92, 27.483, 89.005

85, 56.635, 84.791

95, 17.822, 90.323

83, 65.665, 83.259

97, 8.321, 91.586

81, 73.497, 81.580

100, 0.298,
207.781

79, 79.220, 79.629

100, 0.318,
201.471

77, 82.156, 77.254

77, 82.404, 76.991

Harmonies

Complementary

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



90, 37.256, 87.640



76, 37.374, 279.222

Rectangle

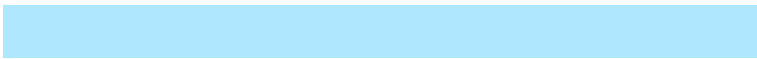
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 37.256, 87.640



90, 37.256, 137.640



90, 37.256, 267.640



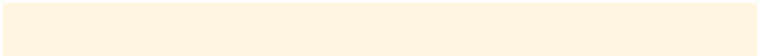
90, 37.256, 317.640

Sweetspot

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



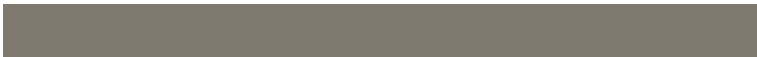
90, 37.257, 87.645



97, 11.254, 91.206



75, 40.724, 359.511



51, 7.475, 91.042



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, 37.257, 87.645



88, 45.294, 86.516



96, 49.811, 114.595



52, 5.318, 91.516



59, 66.593, 77.499



20, 28.382, 80.241

Inverse Universe

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



76, 37.374, 279.222



71, 45.635, 281.139



69, 54.709, 300.965



50, 5.328, 273.995



32, 81.529, 297.785



8, 32.722, 292.822

Previews

White Background



This preview shows how the CIE LCh color 90, 37.256, 87.640 looks on a white background.

Color Contrast Check

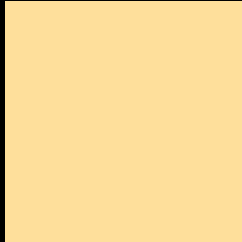
Large Text (above 18pt) WCAG AA × Fail

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, 37.256, 87.640 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, 37.256, 87.640

Background



This preview shows how black text looks on a background with the CIELCh color 90, 37.256, 87.640.



This preview shows how white text looks on a background with the CIELCh color 90, 37.256, 87.640.

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, 37.287, 87.620

Protanopia

90, 36.259, 95.106

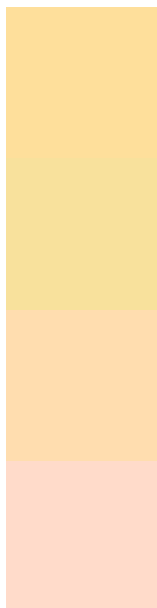
Deuteranopia

90, 22.382, 71.263



Tritanopia
90, 15.672, 355.171

Trichromacy



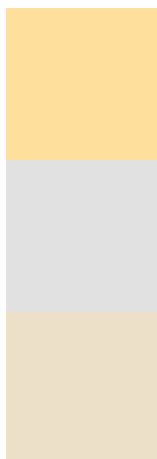
Original Color
90, 37.287, 87.620

Protanomaly
90, 36.687, 92.621

Deuteranomaly
90, 27.459, 78.933

Tritanomaly
90, 16.322, 52.607

Monochromacy



Original Color
90, 37.287, 87.620

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 13.217, 89.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 37.256, 87.640 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(254, 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(254, 223, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 223, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 37.256, 87.640 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, 155) }
```

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

```
.border{ border-color:rgb(254, 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(254, 223, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 223, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 223, 155);  
box-shadow:4px 4px 4px 4px rgb(254, 223,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 37.256, 87.640 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, 155) }
```

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

```
.background{ background-color: rgb(254,  
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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