

Converting Colors

CIELCh(90, 24.243, 90.391)

Have a look what the booklet for
CIELCh(90, 24.243, 90.391) contains.

CIELCh(90, 24.410, 90.612)	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, 24.410, 90.612)

Conversions

Conversions Part 1

Format	Color
Hex	F4E1B4
RGB	244, 225, 180
RGB Percent	96%, 88%, 71%
CMY	0.0435, 0.1180, 0.2945
CMYK	0.00, 0.08, 0.26, 0.04
HSL	42°, 74%, 83%
HSV	42°, 26%, 96%
XYZ	72.4000, 76.3034, 54.0411
YIQ	225.5510, 25.7690, -9.9670

Conversions

Conversions Part 2

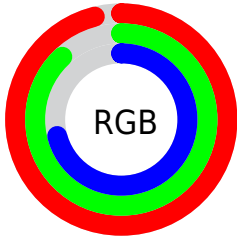
Format	Color
R_{YB}	207, 244, 180
Decimal	16048564
CIE _{Lab}	90.00, -0.26, 24.41
CIE _{LCh}	90, 24.410, 90.612
Yxy	76.3034, 0.3571, 0.3764
Android (android.graphics.Color)	4294238644 (0xFFFF4E1B4)
YUV	225.5510, -22.4566, 16.1798
Hunter-Lab	87.3518, -4.9191, 24.4659

Details

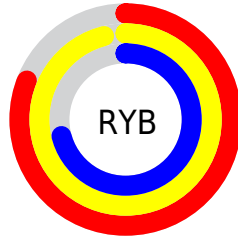
The CIELCh color **90, 24.410, 90.612** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **80, 24.543, 277.826**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 9.618, 109.449**, and **70, 24.439, 90.930** is the 20% darker color. If you saturate the color by 10%, you get **88, 33.943, 89.286**, and if you desaturate by 10%, it is **92, 14.983, 91.908**.

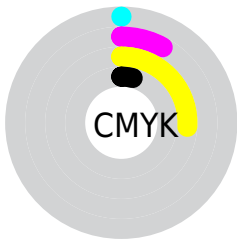
Distribution



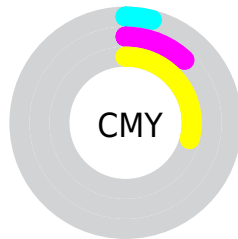
- Red (96%)
- Green (88%)
- Blue (71%)



- Red (81%)
- Yellow (96%)
- Blue (71%)



- Cyan (0%)
- Magenta (8%)
- Yellow (26%)
- Black (4%)

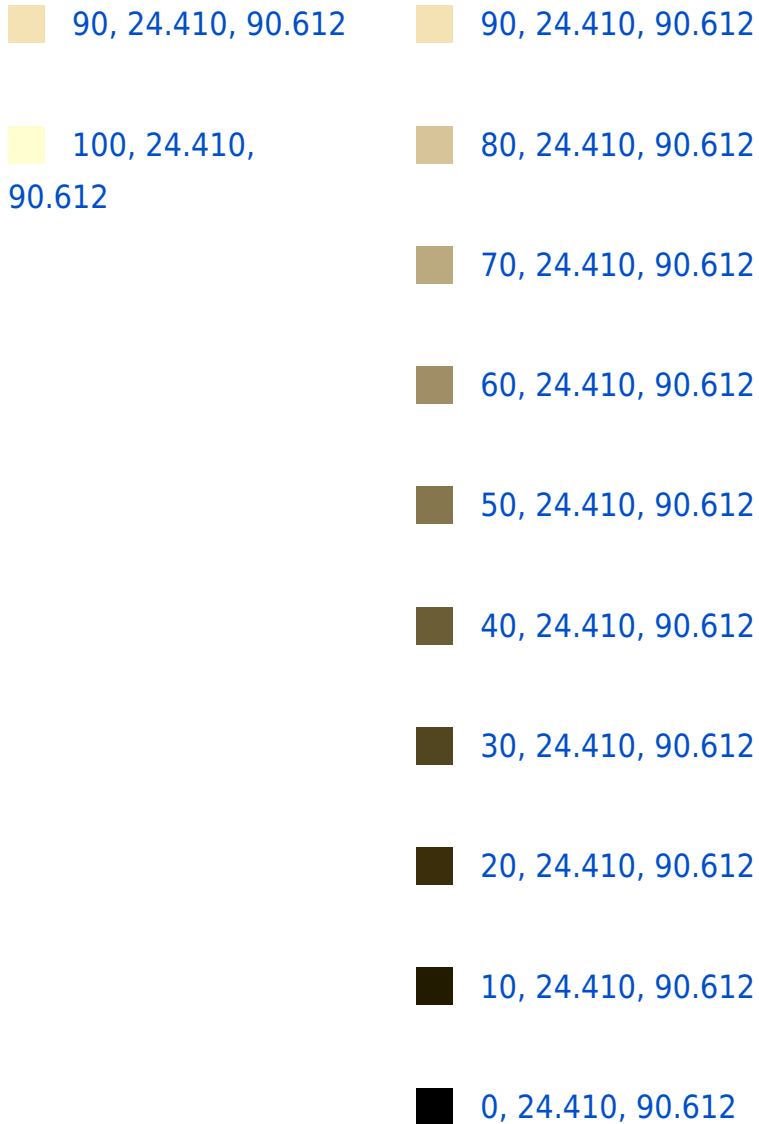


- Cyan (4%)
- Magenta (12%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 24.410, 90.612 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, 24.410, 90.612 by changing the saturation by 10% instead.



90, 24.410, 90.612

90, 24.410, 90.612

88, 33.943, 89.286

92, 14.983, 91.908

86, 43.492, 87.914

95, 5.700, 93.135

83, 52.887, 86.499

97, 3.425, 274.460

81, 61.815, 85.021

99, 3.481, 208.983

79, 69.736, 83.433

99, 3.834, 199.335

78, 75.840, 81.637

76, 79.262, 79.480

75, 80.067, 78.600

Harmonies

Complementary

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



90, 24.410, 90.612



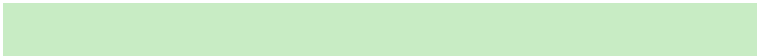
80, 24.543, 277.826

Rectangle

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



90, 24.410, 90.612



90, 24.410, 140.612



90, 24.410, 270.612



90, 24.410, 320.612

Sweetspot

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



90, 24.411, 90.618



98, 7.594, 92.925



80, 26.013, 358.793



52, 5.405, 92.743



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, 24.411, 90.618



93, 30.007, 89.979



94, 32.875, 116.182



50, 5.227, 92.748



59, 65.426, 79.070



18, 26.315, 81.865

Inverse Universe

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



80, 24.543, 277.826



80, 30.216, 278.730



76, 34.845, 300.134



48, 5.245, 275.190



30, 81.689, 298.530



7, 30.937, 292.558

Previews

White Background



This preview shows how the CIE LCh color 90, 24.410, 90.612 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, 24.410, 90.612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

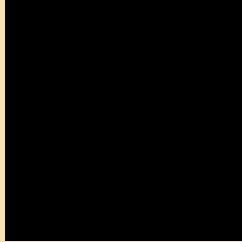
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 24.410, 90.612

Background



This preview shows how black text looks on a background with the CIELCh color 90, 24.410, 90.612.

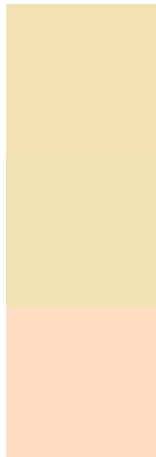


This preview shows how white text looks on a background with the CIELCh color 90, 24.410, 90.612.

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, 24.410, 90.612

Protanopia

90, 24.448, 94.424

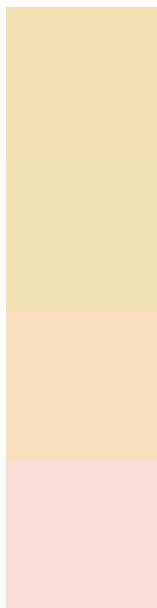
Deuteranopia

90, 19.131, 64.392



Tritanopia
90, 15.084, 344.786

Trichromacy



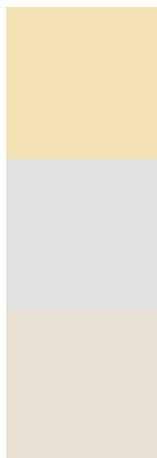
Original Color
90, 24.410, 90.612

Protanomaly
90, 24.547, 93.537

Deuteranomaly
90, 20.501, 75.647

Tritanomaly
90, 10.837, 36.649

Monochromacy



Original Color
90, 24.410, 90.612

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 8.666, 92.128

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 24.410, 90.612 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(244, 225, 180)` looks like.

```
.text, #text, p{  
    color:rgb(244, 225, 180)  
}
```

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(244, 225, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 225, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 24.410, 90.612 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(244, 225, 180) }
```

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

```
.border{ border-color:rgb(244, 225, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 225, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 225, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 225, 180);  
box-shadow:4px 4px 4px 4px rgb(244, 225,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 24.410, 90.612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 225, 180) }
```

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

```
.background{ background-color: rgb(244,  
225, 180) }
```

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