

Converting Colors

CIELCh(90, 21.626, 87.549)

Have a look what the booklet for
CIELCh(90, 21.626, 87.549) contains.

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Color

CIELCh(90, 21.626, 87.549)

Conversions

Conversions Part 1

Format	Color
Hex	F4E0B9
RGB	244, 224, 185
RGB Percent	96%, 88%, 73%
CMY	0.0418, 0.1202, 0.2732
CMYK	0.00, 0.08, 0.24, 0.04
HSL	40°, 73%, 84%
HSV	40°, 24%, 96%
XYZ	72.9653, 76.3034, 56.9614
YIQ	225.5340, 24.4390, -7.8890

Conversions

Conversions Part 2

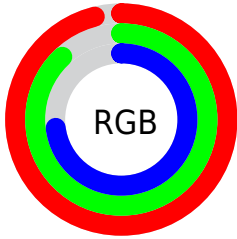
Format	Color
R_{YB}	215, 244, 185
Decimal	16048313
CIE Lab	90.00, 0.92, 21.61
CIE LCh	90, 21.626, 87.549
Yxy	76.3034, 0.3538, 0.3700
Android (android.graphics.Color)	4294238393 (0xFFFF4E0B9)
YUV	225.5340, -19.9833, 16.1947
Hunter-Lab	87.3518, -3.7638, 22.4837

Details

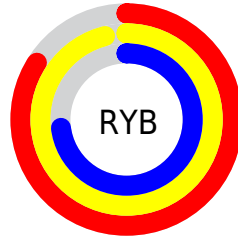
The CIELCh color **90, 21.626, 87.549** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **82, 21.473, 274.281**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 7.086, 109.637**, and **70, 21.512, 87.867** is the 20% darker color. If you saturate the color by 10%, you get **87, 30.893, 86.202**, and if you desaturate by 10%, it is **93, 12.532, 88.864**.

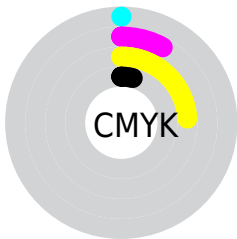
Distribution



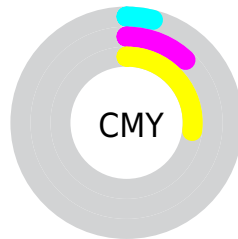
- Red (96%)
- Green (88%)
- Blue (73%)



- Red (84%)
- Yellow (96%)
- Blue (73%)



- Cyan (0%)
- Magenta (8%)
- Yellow (24%)
- Black (4%)



- Cyan (4%)
- Magenta (12%)
- Yellow (27%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 21.626, 87.549 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, 21.626, 87.549 by changing the saturation by 10% instead.

 90, 21.626, 87.549

 90, 21.626, 87.549

 100, 21.626,
87.549

 80, 21.626, 87.549

 70, 21.626, 87.549

 60, 21.626, 87.549

 50, 21.626, 87.549

 40, 21.626, 87.549

 30, 21.626, 87.549

 20, 21.626, 87.549

 10, 21.626, 87.549

 0, 21.626, 87.549

90, 21.626, 87.549

90, 21.626, 87.549

87, 30.893, 86.202

93, 12.532, 88.864

85, 40.270, 84.806

95, 3.630, 90.081

83, 49.629, 83.362

98, 3.388, 260.842

80, 58.718, 81.850

99, 3.681, 199.352

78, 67.073, 80.218

76, 73.939, 78.356

74, 78.363, 76.081

73, 79.875, 74.555

Harmonies

Complementary

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



90, 21.626, 87.549



82, 21.473, 274.281

Rectangle

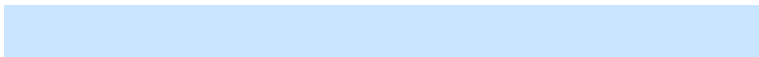
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 21.626, 87.549



90, 21.626, 137.549



90, 21.626, 267.549



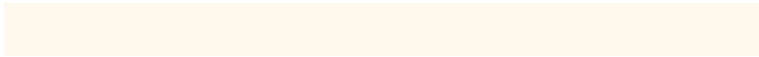
90, 21.626, 317.549

Sweetspot

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



90, 21.627, 87.556



98, 6.360, 89.754



81, 24.443, 355.089



52, 4.136, 89.681



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, 21.627, 87.556



92, 27.019, 86.896



94, 30.183, 114.239



50, 5.011, 89.453



57, 65.135, 75.098



17, 25.698, 77.881

Inverse Universe

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



82, 21.473, 274.281



83, 26.789, 275.192



78, 31.890, 298.200



48, 5.007, 271.961



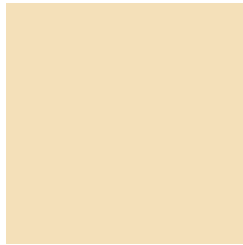
32, 76.571, 296.305



7, 29.185, 290.365

Previews

White Background



This preview shows how the CIE LCh color 90, 21.626, 87.549 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, 21.626, 87.549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

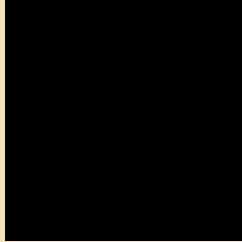
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 21.626, 87.549

Background



This preview shows how black text looks on a background with the CIELCh color 90, 21.626, 87.549.

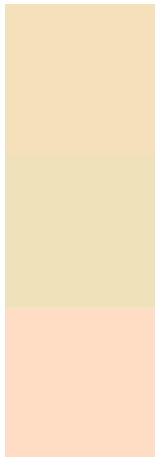


This preview shows how white text looks on a background with the CIELCh color 90, 21.626, 87.549.

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, 21.626, 87.549

Protanopia

90, 21.256, 94.861

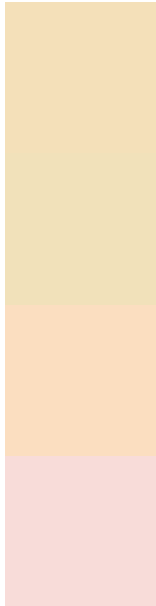
Deuteranopia

90, 18.375, 62.283



Tritanopia
90, 15.097, 342.334

Trichromacy



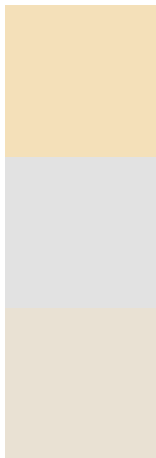
Original Color
90, 21.626, 87.549

Protanomaly
90, 21.088, 91.508

Deuteranomaly
90, 19.187, 73.361

Tritanomaly
90, 10.442, 28.595

Monochromacy



Original Color
90, 21.626, 87.549

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 7.810, 87.398

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 21.626, 87.549 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, 224, 185)` looks like.

```
.text, #text, p{  
    color:rgb(244, 224, 185)  
}
```

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, 224, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 224, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 21.626, 87.549 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, 224, 185) }
```

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

```
.border{ border-color:rgb(244, 224, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 224, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 224, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 224, 185);  
box-shadow:4px 4px 4px 4px rgb(244, 224,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 21.626, 87.549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 224, 185) }
```

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

```
.background{ background-color: rgb(244,  
224, 185) }
```

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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