

Converting Colors

CIELCh(90, 16.896, 90.483)

Have a look what the booklet for
CIELCh(90, 16.896, 90.483) contains.

CIELCh(90, 16.896, 90.483)	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, 16.896, 90.483)

Conversions

Conversions Part 1

Format	Color
Hex	EFE1C2
RGB	239, 225, 194
RGB Percent	94%, 88%, 76%
CMY	0.0617, 0.1166, 0.2382
CMYK	0.00, 0.06, 0.19, 0.06
HSL	41°, 59%, 85%
HSV	41°, 19%, 94%
XYZ	72.4562, 76.3034, 62.1041
YIQ	225.6520, 18.2950, -6.6730

Conversions

Conversions Part 2

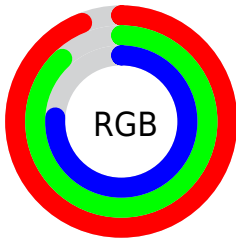
Format	Color
R_{YB}	214, 239, 194
Decimal	15720898
CIE _{Lab}	90.00, -0.14, 16.90
CIE _{LCh}	90, 16.896, 90.483
Yxy	76.3034, 0.3436, 0.3619
Android (android.graphics.Color)	4293910978 (0xFFEFE1C2)
YUV	225.6520, -15.6044, 11.7062
Hunter-Lab	87.3518, -4.8041, 18.9931

Details

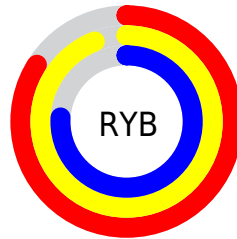
The CIELCh color **90, 16.896, 90.483** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **83, 16.913, 275.516**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 2.017, 109.989**, and **70, 17.179, 90.607** is the 20% darker color. If you saturate the color by 10%, you get **88, 26.110, 89.180**, and if you desaturate by 10%, it is **92, 7.836, 91.749**.

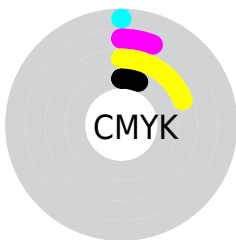
Distribution



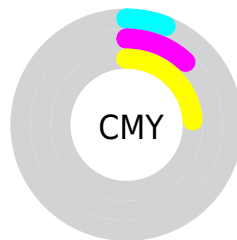
- Red (94%)
- Green (88%)
- Blue (76%)



- Red (84%)
- Yellow (94%)
- Blue (76%)



- Cyan (0%)
- Magenta (6%)
- Yellow (19%)
- Black (6%)



- Cyan (6%)
- Magenta (12%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 16.896, 90.483 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, 16.896, 90.483 by changing the saturation by 10% instead.

90, 16.896, 90.483

90, 16.896, 90.483

100, 16.896,
90.483

80, 16.896, 90.483

70, 16.896, 90.483

60, 16.896, 90.483

50, 16.896, 90.483

40, 16.896, 90.483

30, 16.896, 90.483

20, 16.896, 90.483

10, 16.896, 90.483

0, 16.896, 90.483

90, 16.896, 90.483

90, 16.896, 90.483

88, 26.110, 89.180

92, 7.836, 91.749

85, 35.428, 87.827

95, 1.059, 273.255

83, 44.757, 86.433

97, 4.705, 253.005

81, 53.907, 84.989

99, 5.408, 199.185

79, 62.530, 83.468

77, 70.034, 81.806

75, 75.566, 79.881

73, 78.485, 77.551

73, 78.768, 77.267

Harmonies

Complementary

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



90, 16.896, 90.483



83, 16.913, 275.516

Rectangle

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



90, 16.896, 90.483



90, 16.896, 140.483



90, 16.896, 270.483



90, 16.896, 320.483

Sweetspot

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



90, 16.897, 90.492



98, 5.600, 92.081



83, 18.270, 356.702



52, 3.717, 92.004



0, 0.000, 0.000



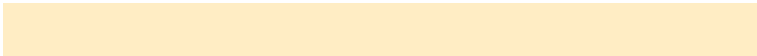
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 16.897, 90.492



94, 21.839, 89.937



93, 23.242, 116.020



49, 5.064, 91.667



57, 64.622, 77.759



17, 24.892, 80.605

Inverse Universe

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



83, 16.913, 275.516



86, 21.859, 276.226



81, 24.215, 298.847



47, 5.074, 274.128



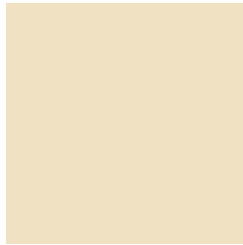
30, 79.079, 297.781



6, 29.019, 291.054

Previews

White Background



This preview shows how the CIELCh color 90, 16.896, 90.483 looks on a white background.

Color Contrast Check

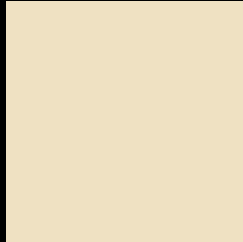
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 90, 16.896, 90.483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

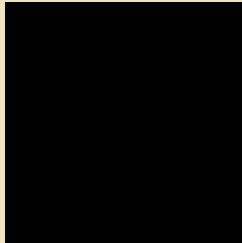
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

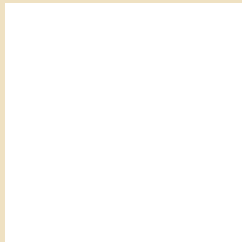
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 16.896, 90.483

Background



This preview shows how black text looks on a background with the CIELCh color 90, 16.896, 90.483.

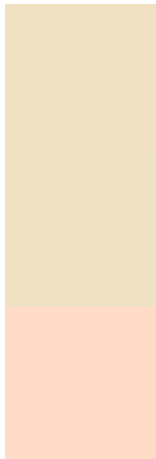


This preview shows how white text looks on a background with the CIELCh color 90, 16.896, 90.483.

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, 16.896, 90.483

Protanopia

90, 16.654, 92.992

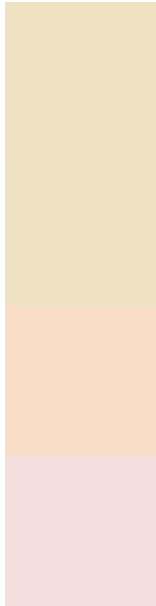
Deuteranopia

90, 16.951, 55.399



Tritanopia
90, 12.846, 336.950

Trichromacy



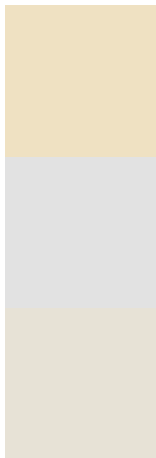
Original Color
90, 16.896, 90.483

Protanomaly
90, 16.654, 92.992

Deuteranomaly
90, 16.035, 67.536

Tritanomaly
90, 8.031, 19.905

Monochromacy



Original Color
90, 16.896, 90.483

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 6.461, 93.204

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 16.896, 90.483 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(239, 225, 194)` looks like.

```
.text, #text, p{  
    color:rgb(239, 225, 194)  
}
```

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(239, 225, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 225, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 16.896, 90.483 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(239, 225, 194) }
```

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

```
.border{ border-color:rgb(239, 225, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 225, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 225, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 225, 194);  
box-shadow:4px 4px 4px 4px rgb(239, 225,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 16.896, 90.483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 225, 194) }
```

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

```
.background{ background-color: rgb(239,  
225, 194) }
```

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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