

Converting Colors

CIELCh(90, 13.742, 89.650)

Have a look what the booklet for
CIELCh(90, 13.742, 89.650) contains.

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Color

CIELCh(90, 13.696, 89.859)

Conversions

Conversions Part 1

Format	Color
Hex	EDE1C8
RGB	237, 225, 200
RGB Percent	93%, 88%, 78%
CMY	0.0691, 0.1162, 0.2143
CMYK	0.00, 0.05, 0.16, 0.07
HSL	41°, 51%, 86%
HSV	41°, 16%, 93%
XYZ	72.5401, 76.3034, 65.7678
YIQ	225.7380, 15.1770, -5.2310

Conversions

Conversions Part 2

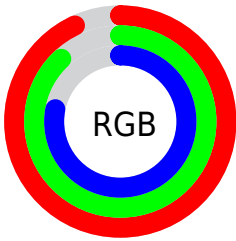
Format	Color
R _Y B	218, 237, 200
Decimal	15589832
CIE Lab	90.00, 0.03, 13.70
CIE LCh	90, 13.696, 89.859
Yxy	76.3034, 0.3380, 0.3555
Android (android.graphics.Color)	4293779912 (0xFFEDE1C8)
YUV	225.7380, -12.6888, 9.8768
Hunter-Lab	87.3518, -4.6328, 16.5064

Details

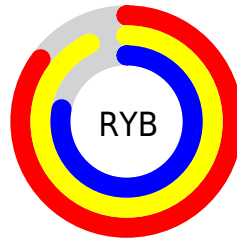
The CIELCh color **90, 13.696, 89.859** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **85, 13.681, 274.007**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 13.804, 90.214** is the 20% darker color. If you saturate the color by 10%, you get **88, 22.709, 88.565**, and if you desaturate by 10%, it is **92, 4.856, 91.103**.

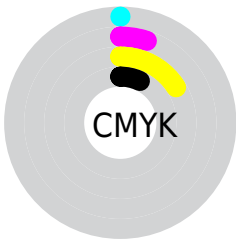
Distribution



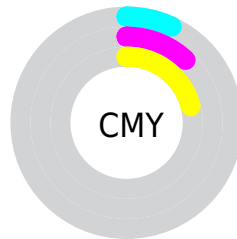
- Red (93%)
- Green (88%)
- Blue (78%)



- Red (85%)
- Yellow (93%)
- Blue (78%)



- Cyan (0%)
- Magenta (5%)
- Yellow (16%)
- Black (7%)



- Cyan (7%)
- Magenta (12%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 13.696, 89.859 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, 13.696, 89.859 by changing the saturation by 10% instead.

90, 13.696, 89.859

90, 13.696, 89.859

100, 13.696,
89.859

80, 13.696, 89.859

70, 13.696, 89.859

60, 13.696, 89.859

50, 13.696, 89.859

40, 13.696, 89.859

30, 13.696, 89.859

20, 13.696, 89.859

10, 13.696, 89.859

0, 13.696, 89.859

90, 13.696, 89.859

90, 13.696, 89.859

88, 22.709, 88.565

92, 4.856, 91.103

85, 31.863, 87.216

95, 3.806, 272.449

83, 41.087, 85.825

97, 5.021, 241.165

81, 50.237, 84.387

99, 6.052, 199.131

79, 59.035, 82.880

76, 66.988, 81.251

75, 73.320, 79.390

73, 77.132, 77.120

72, 78.199, 76.017

Harmonies

Complementary

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



90, 13.696, 89.859



85, 13.681, 274.007

Rectangle

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



90, 13.696, 89.859



90, 13.696, 139.859



90, 13.696, 269.859



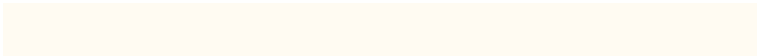
90, 13.696, 319.859

Sweetspot

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



90, 13.697, 89.869



99, 4.598, 91.168



84, 15.083, 355.198



52, 3.140, 91.087



0, 0.000, 0.000



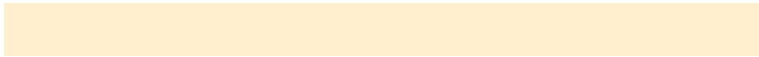
53, 0.007, 296.813

Same Dimension

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



90, 13.697, 89.869



95, 17.753, 89.421



93, 19.127, 115.573



49, 4.998, 90.637



57, 64.531, 76.516



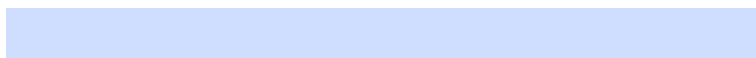
17, 24.699, 79.345

Inverse Universe

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



85, 13.681, 274.007



88, 17.718, 274.557



82, 19.792, 297.955



47, 5.001, 273.119



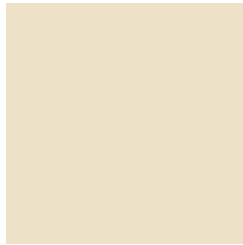
31, 77.495, 297.085



7, 28.527, 290.424

Previews

White Background



This preview shows how the CIELCh color 90, 13.696, 89.859 looks on a white background.

Color Contrast Check

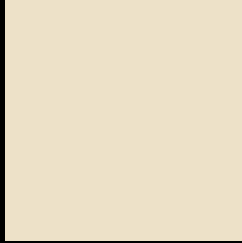
Large Text (above 18pt) WCAG AA × Fail

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, 13.696, 89.859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

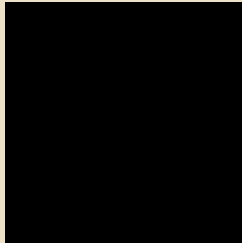
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

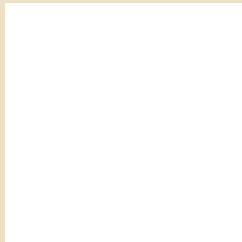
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 13.696, 89.859

Background



This preview shows how black text looks on a background with the CIELCh color 90, 13.696, 89.859.

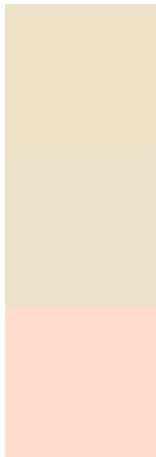


This preview shows how white text looks on a background with the CIELCh color 90, 13.696, 89.859.

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

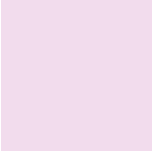
90, 13.696, 89.859

Protanopia

90, 13.454, 92.912

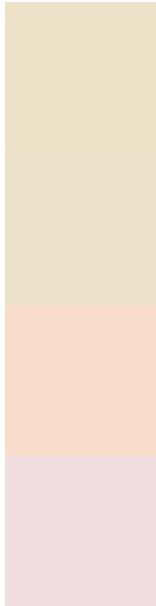
Deuteranopia

90, 15.737, 49.591



Tritanopia
90, 11.845, 332.052

Trichromacy



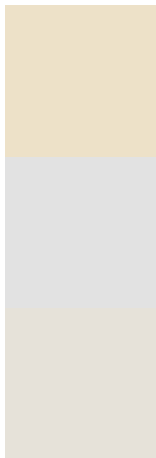
Original Color
90, 13.696, 89.859

Protanomaly
90, 13.454, 92.912

Deuteranomaly
90, 14.132, 60.972

Tritanomaly
90, 6.612, 10.790

Monochromacy



Original Color
90, 13.696, 89.859

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 4.866, 92.381

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 13.696, 89.859 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(237, 225, 200)` looks like.

```
.text, #text, p{  
    color:rgb(237, 225, 200)  
}
```

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(237, 225, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 225, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 13.696, 89.859 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(237, 225, 200) }
```

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

```
.border{ border-color:rgb(237, 225, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 225, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 225, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 225, 200);  
box-shadow:4px 4px 4px 4px rgb(237, 225,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 13.696, 89.859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 225, 200) }
```

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

```
.background{ background-color: rgb(237,  
225, 200) }
```

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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