

Converting Colors

CIELCh(90, 3.856, 82.063)

Have a look what the booklet for
CIELCh(90, 3.856, 82.063) contains.

CIELCh(90, 4.034, 83.134)	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, 4.034, 83.134)

Conversions

Conversions Part 1

Format	Color
Hex	E7E2DB
RGB	231, 226, 219
RGB Percent	91%, 89%, 86%
CMY	0.0951, 0.1147, 0.1422
CMYK	0.00, 0.02, 0.05, 0.10
HSL	35°, 20%, 88%
HSV	35°, 5%, 90%
XYZ	72.7539, 76.3034, 77.7381
YIQ	226.6970, 5.2270, -1.1170

Conversions

Conversions Part 2

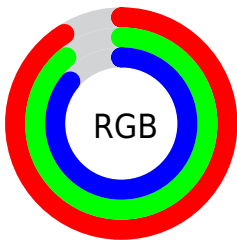
Format	Color
R _Y B	228, 231, 219
Decimal	15196891
CIE Lab	90.00, 0.48, 4.01
CIE LCh	90, 4.034, 83.134
Yxy	76.3034, 0.3208, 0.3364
Android (android.graphics.Color)	4293386971 (0xFFE7E2DB)
YUV	226.6970, -3.7946, 3.7737
Hunter-Lab	87.3518, -4.1958, 8.3815

Details

The CIELCh color **90, 4.034, 83.134** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **89, 4.026, 264.663**, 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, 4.100, 87.795** is the 20% darker color. If you saturate the color by 10%, you get **87, 12.008, 81.929**, and if you desaturate by 10%, it is **93, 3.685, 264.592**.

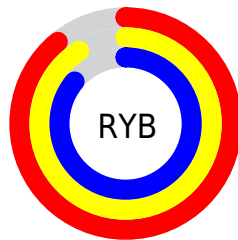
Distribution



Red (91%)

Green (89%)

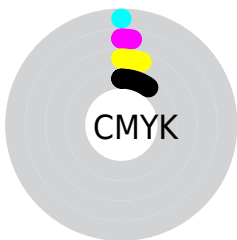
Blue (86%)



Red (89%)

Yellow (91%)

Blue (86%)

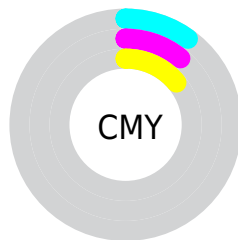


Cyan (0%)

Magenta (2%)

Yellow (5%)

Black (10%)



Cyan (10%)

Magenta (11%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 4.034, 83.134 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, 4.034, 83.134 by changing the saturation by 10% instead.

90, 4.034, 83.134

90, 4.034, 83.134

100, 4.034, 83.134

80, 4.034, 83.134

70, 4.034, 83.134

60, 4.034, 83.134

50, 4.034, 83.134

40, 4.034, 83.134

30, 4.034, 83.134

20, 4.034, 83.134

10, 4.034, 83.134

0, 4.034, 83.134

90, 4.034, 83.134

90, 4.034, 83.134

87, 12.008, 81.929

93, 3.685, 264.592

84, 20.246, 80.610

96, 6.995, 246.727

81, 28.746, 79.249

98, 8.125, 200.517

79, 37.474, 77.853

98, 8.273, 198.962

76, 46.336, 76.411

73, 55.124, 74.893

71, 63.426, 73.225

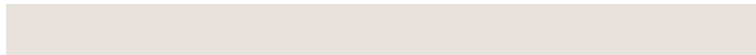
68, 70.517, 71.255

66, 75.400, 68.722

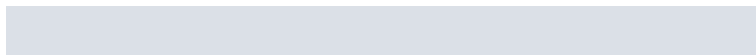
Harmonies

Complementary

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



90, 4.034, 83.134



89, 4.026, 264.663

Rectangle

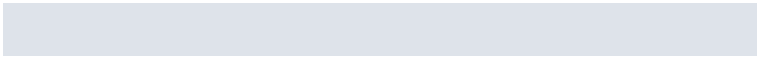
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 4.034, 83.134



90, 4.034, 133.134



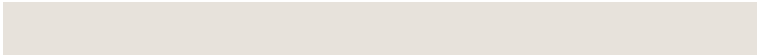
90, 4.034, 263.134



90, 4.034, 313.134

Sweetspot

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



90, 4.035, 83.167



99, 1.669, 83.436



88, 5.068, 348.763



53, 0.948, 83.437



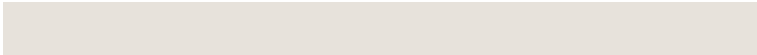
0, 0.000, 0.000



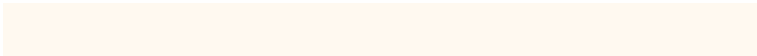
53, 0.007, 296.813

Same Dimension

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



90, 4.035, 83.167



98, 5.058, 83.072



91, 6.203, 113.017



47, 3.081, 83.004



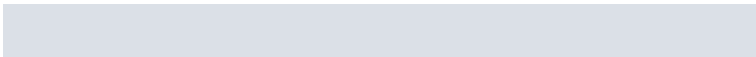
51, 63.531, 67.988



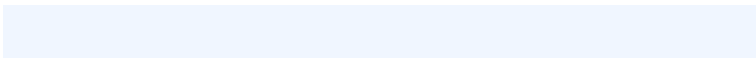
13, 21.230, 69.818

Inverse Universe

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



89, 4.026, 264.663



97, 5.037, 264.765



88, 6.292, 293.908



46, 3.064, 264.839



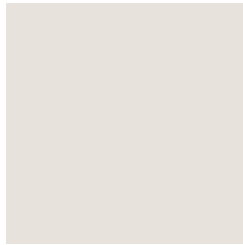
34, 64.751, 291.133



7, 22.745, 282.968

Previews

White Background



This preview shows how the CIELCh color 90, 4.034, 83.134 looks on a white background.

Color Contrast Check

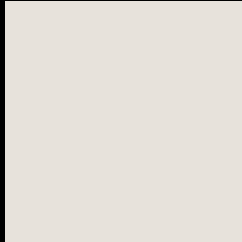
Large Text (above 18pt) WCAG AA × Fail

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, 4.034, 83.134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

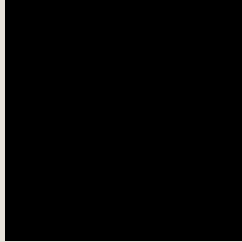
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

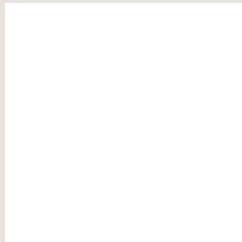
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 4.034, 83.134

Background



This preview shows how black text looks on a background with the CIELCh color 90, 4.034, 83.134.

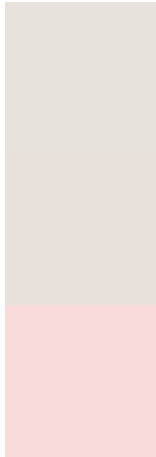


This preview shows how white text looks on a background with the CIELCh color 90, 4.034, 83.134.

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](#).

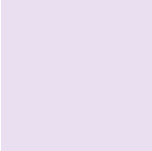
Dichromacy



Original Color
90, 4.034, 83.134

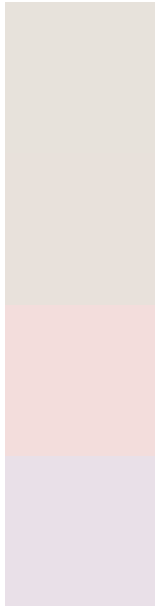
Protanopia
90, 3.995, 70.379

Deuteranopia
90, 11.399, 17.588



Tritanopia
90, 9.696, 314.309

Trichromacy



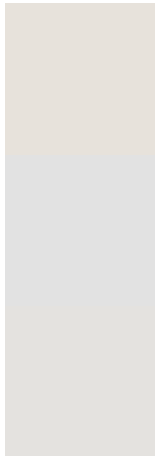
Original Color
90, 4.034, 83.134

Protanomaly
90, 3.995, 70.379

Deuteranomaly
90, 8.059, 23.577

Tritanomaly
90, 5.281, 327.776

Monochromacy



Original Color
90, 4.034, 83.134

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 1.698, 84.957

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 4.034, 83.134 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(231, 226, 219)` looks like.

```
.text, #text, p{  
    color:rgb(231, 226, 219)  
}
```

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(231, 226, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 226, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 4.034, 83.134 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(231, 226, 219) }
```

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

```
.border{ border-color:rgb(231, 226, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 226, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 226, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 226, 219);  
box-shadow:4px 4px 4px 4px rgb(231, 226,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 4.034, 83.134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 226, 219) }
```

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

```
.background{ background-color: rgb(231,  
226, 219) }
```

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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