

Converting Colors

CIELCh(90, 3.830, 340.431)

Have a look what the booklet for
CIELCh(90, 3.830, 340.431) contains.

CIELCh(90, 3.889, 337.633)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(90, 3.889, 337.633)

Conversions

Conversions Part 1

Format	Color
Hex	E8E0E5
RGB	232, 224, 229
RGB Percent	91%, 88%, 90%
CMY	0.0893, 0.1206, 0.1010
CMYK	0.00, 0.03, 0.01, 0.09
HSL	323°, 15%, 90%
HSV	323°, 3%, 91%
XYZ	74.2502, 76.3034, 85.1161
YIQ	226.9620, 3.1630, 3.2510

Conversions

Conversions Part 2

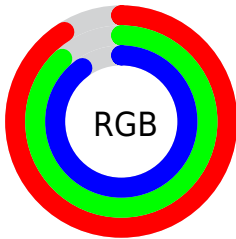
Format	Color
R_{YB}	232, 224, 229
Decimal	15261925
CIE _{Lab}	90.00, 3.60, -1.48
CIE _{LCh}	90, 3.889, 337.633
Yxy	76.3034, 0.3151, 0.3238
Android (android.graphics.Color)	4293452005 (0xFFE8E0E5)
YUV	226.9620, 1.0047, 4.4183
Hunter-Lab	87.3518, -1.1383, 3.3738

Details

The CIELCh color `90, 3.889, 337.633` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `91, 3.862, 157.348`, 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, 3.822, 333.897` is the 20% darker color. If you saturate the color by 10%, you get `84, 15.301, 338.479`, and if you desaturate by 10%, it is `96, 7.282, 157.096`.

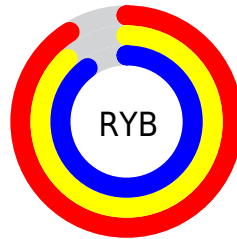
Distribution



Red (91%)

Green (88%)

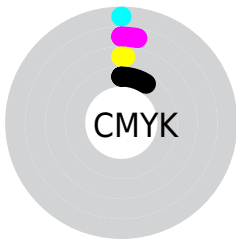
Blue (90%)



Red (91%)

Yellow (88%)

Blue (90%)

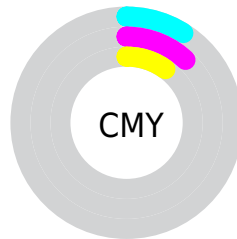


Cyan (0%)

Magenta (3%)

Yellow (1%)

Black (9%)



Cyan (9%)

Magenta (12%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 3.889, 337.633 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, 3.889, 337.633 by changing the saturation by 10% instead.

90, 3.889, 337.633

90, 3.889, 337.633

100, 3.889,
337.633

80, 3.889, 337.633

70, 3.889, 337.633

60, 3.889, 337.633

50, 3.889, 337.633

40, 3.889, 337.633

30, 3.889, 337.633

20, 3.889, 337.633

10, 3.889, 337.633

0, 3.889, 337.633

90, 3.889, 337.633

90, 3.889, 337.633

84, 15.301,
338.479

96, 7.282, 157.096

78, 26.840,
339.313

98, 9.019, 170.781

73, 38.300,
340.218

98, 7.776, 198.999

68, 49.375,
341.218

63, 59.635,
342.346

59, 68.540,
343.650

56, 75.504,
345.203

53, 80.039,
347.101

■ 52, 81.962,
349.459

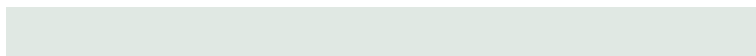
Harmonies

Complementary

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



90, 3.889, 337.633



91, 3.862, 157.348

Rectangle

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



90, 3.889, 337.633



90, 3.889, 27.633



90, 3.889, 157.633



90, 3.889, 207.633

Sweetspot

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



90, 3.887, 337.641



99, 1.220, 337.212



90, 4.309, 304.440



53, 0.694, 337.190



0, 0.000, 0.000



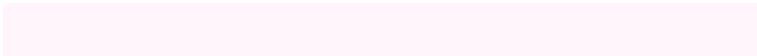
53, 0.007, 296.813

Same Dimension

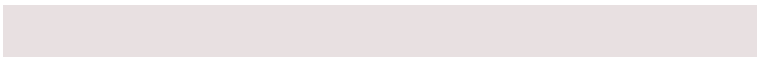
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 3.887, 337.641



97, 4.872, 337.698



90, 2.935, 8.552



48, 3.235, 337.764



40, 68.390, 350.749



8, 30.191, 346.378

Inverse Universe

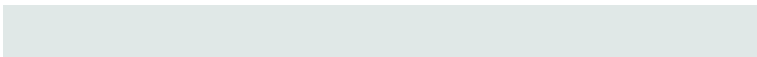
The Inverse Universe completely reimagines the original color for something new.



90, 3.887, 337.641



97, 4.872, 337.698



91, 2.883, 188.384



48, 3.235, 337.764



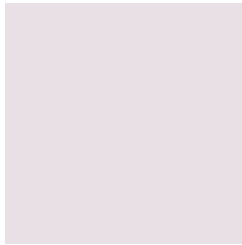
40, 68.390, 350.749



8, 30.191, 346.378

Previews

White Background



This preview shows how the CIELCh color 90, 3.889, 337.633 looks on a white background.

Color Contrast Check

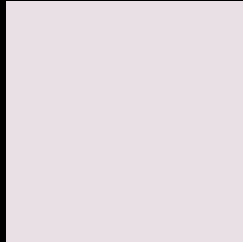
Large Text (above 18pt) WCAG AA × Fail

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, 3.889, 337.633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

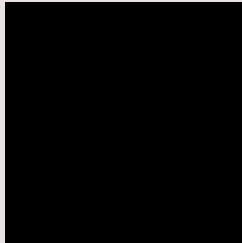
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

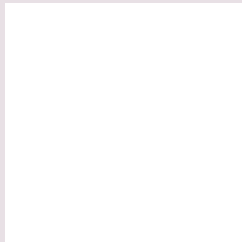
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 3.889, 337.633

Background



This preview shows how black text looks on a background with the CIELCh color 90, 3.889, 337.633.

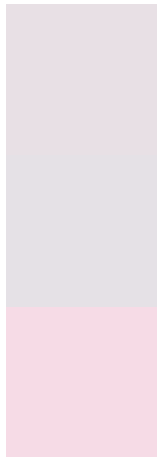


This preview shows how white text looks on a background with the CIELCh color 90, 3.889, 337.633.

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

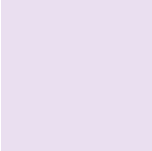
90, 3.889, 337.633

Protanopia

90, 2.986, 318.830

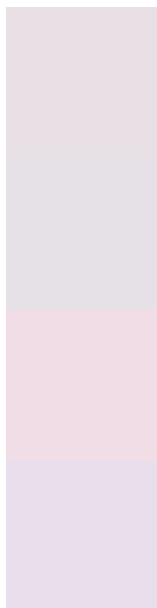
Deuteranopia

90, 11.304, 349.926



Tritanopia
90, 9.696, 314.309

Trichromacy



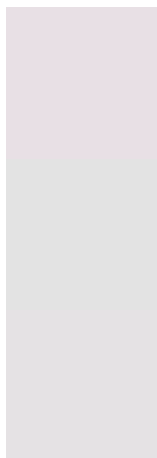
Original Color
90, 3.889, 337.633

Protanomaly
90, 3.174, 324.471

Deuteranomaly
90, 8.598, 347.106

Tritanomaly
90, 7.671, 318.091

Monochromacy



Original Color
90, 3.889, 337.633

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 1.508, 335.501

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 3.889, 337.633 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(232, 224, 229)` looks like.

```
.text, #text, p{  
    color:rgb(232, 224, 229)  
}
```

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(232, 224, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 224, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 3.889, 337.633 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(232, 224, 229) }
```

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

```
.border{ border-color:rgb(232, 224, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 224, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 224, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 224, 229);  
box-shadow:4px 4px 4px 4px rgb(232, 224,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 3.889, 337.633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 224, 229) }
```

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

```
.background{ background-color: rgb(232,  
224, 229) }
```

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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