

Converting Colors

CIELCh(90, 4.312, 338.824)

Have a look what the booklet for
CIELCh(90, 4.312, 338.824) contains.

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Color

CIELCh(90, 4.162, 340.972)

Conversions

Conversions Part 1

Format	Color
Hex	E9E0E5
RGB	233, 224, 229
RGB Percent	91%, 88%, 90%
CMY	0.0862, 0.1215, 0.1019
CMYK	0.00, 0.04, 0.02, 0.09
HSL	327°, 17%, 90%
HSV	327°, 4%, 91%
XYZ	74.4139, 76.3034, 84.9457
YIQ	227.2610, 3.7590, 3.4630

Conversions

Conversions Part 2

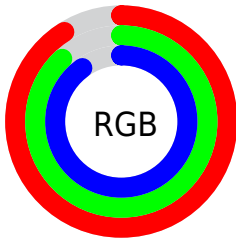
Format	Color
R _Y B	233, 224, 229
Decimal	15327461
CIE Lab	90.00, 3.93, -1.36
CIE LCh	90, 4.162, 340.972
Yxy	76.3034, 0.3158, 0.3238
Android (android.graphics.Color)	4293517541 (0xFFE9E0E5)
YUV	227.2610, 0.8573, 5.0331
Hunter-Lab	87.3518, -0.8038, 3.4894

Details

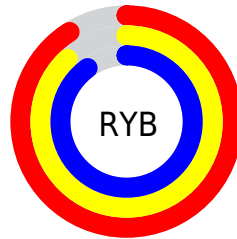
The CIELCh color $90, 4.162, 340.972$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $92, 4.130, 160.588$, and the grayscale version is $90, 0.011, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $70, 4.094, 337.729$ is the 20% darker color. If you saturate the color by 10%, you get $84, 15.084, 341.881$, and if you desaturate by 10%, it is $96, 6.501, 160.397$.

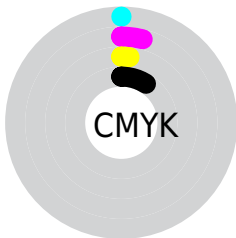
Distribution



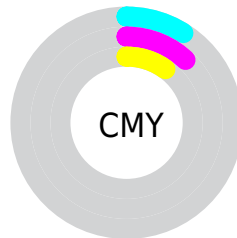
- Red (91%)
- Green (88%)
- Blue (90%)



- Red (91%)
- Yellow (88%)
- Blue (90%)



- Cyan (0%)
- Magenta (4%)
- Yellow (2%)
- Black (9%)



- Cyan (9%)
- Magenta (12%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 4.162, 340.972 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, 4.162, 340.972 by changing the saturation by 10% instead.

■ 90, 4.162, 340.972

■ 90, 4.162, 340.972

■ 100, 4.162,
340.972

■ 80, 4.162, 340.972

■ 70, 4.162, 340.972

■ 60, 4.162, 340.972

■ 50, 4.162, 340.972

■ 40, 4.162, 340.972

■ 30, 4.162, 340.972

■ 20, 4.162, 340.972

■ 10, 4.162, 340.972

■ 0, 4.162, 340.972

90, 4.162, 340.972

90, 4.162, 340.972

84, 15.084,
341.881

96, 6.501, 160.397

78, 26.158,
342.800

98, 8.087, 179.581

73, 37.189,
343.817

98, 7.516, 199.018

67, 47.882,
344.967

63, 57.817,
346.298

58, 66.465,
347.882

55, 73.251,
349.817

53, 77.711,
352.235

■ 51, 79.706,
355.283

Harmonies

Complementary

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



90, 4.162, 340.972



92, 4.130, 160.588

Rectangle

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



90, 4.162, 340.972



90, 4.162, 30.972



90, 4.162, 160.972



90, 4.162, 210.972

Sweetspot

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



90, 4.160, 340.981



99, 1.161, 340.464



90, 4.904, 306.866



53, 0.660, 340.439



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

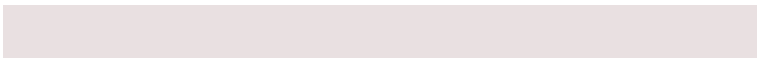
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 4.160, 340.981



97, 5.801, 341.098



90, 3.258, 13.979



47, 3.698, 341.159



39, 66.437, 356.790



8, 29.215, 351.124

Inverse Universe

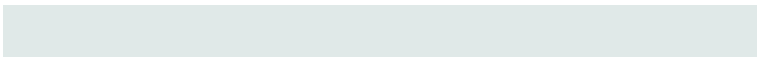
The Inverse Universe completely reimagines the original color for something new.



90, 4.160, 340.981



97, 5.801, 341.098



92, 3.187, 193.792



47, 3.698, 341.159



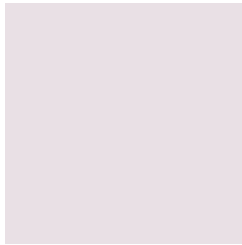
39, 66.437, 356.790



8, 29.215, 351.124

Previews

White Background



This preview shows how the CIELCh color 90, 4.162, 340.972 looks on a white background.

Color Contrast Check

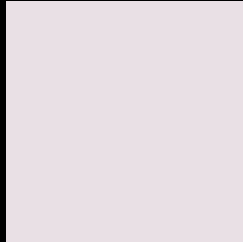
Large Text (above 18pt) WCAG AA × Fail

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, 4.162, 340.972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

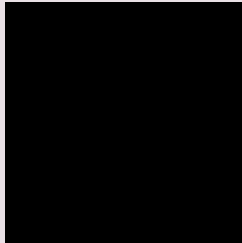
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

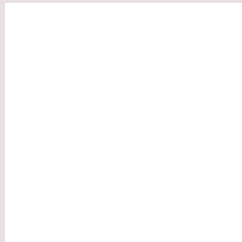
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 4.162, 340.972

Background



This preview shows how black text looks on a background with the CIELCh color 90, 4.162, 340.972.

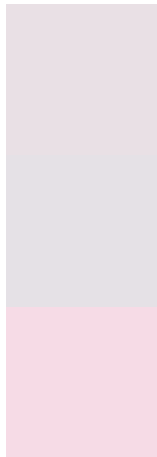


This preview shows how white text looks on a background with the CIELCh color 90, 4.162, 340.972.

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, 4.162, 340.972

Protanopia

90, 2.986, 318.830

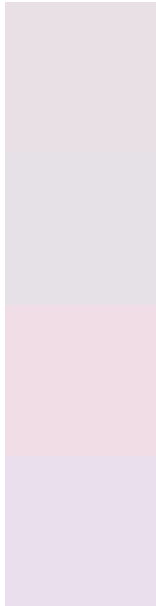
Deuteranopia

90, 11.304, 349.926



Tritanopia
90, 10.472, 316.729

Trichromacy



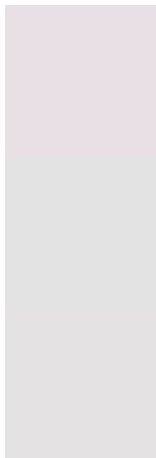
Original Color
90, 4.162, 340.972

Protanomaly
90, 3.174, 324.471

Deuteranomaly
90, 8.598, 347.106

Tritanomaly
90, 7.843, 320.395

Monochromacy



Original Color
90, 4.162, 340.972

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, 4.162, 340.972 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(233, 224, 229)` looks like.

```
.text, #text, p{  
    color:rgb(233, 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(233, 224, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 224, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 4.162, 340.972 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(233, 224, 229) }
```

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

```
.border{ border-color:rgb(233, 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(233, 224, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 224, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 224, 229);  
box-shadow:4px 4px 4px 4px rgb(233, 224,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 4.162, 340.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 224, 229) }
```

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

```
.background{ background-color: rgb(233,  
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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