

Converting Colors

CIELCh(90, 4.065, 305.235)

Have a look what the booklet for
CIELCh(90, 4.065, 305.235) contains.

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Color

CIELCh(90, 4.313, 304.743)

Conversions

Conversions Part 1

Format	Color
Hex	E4E1E9
RGB	228, 225, 233
RGB Percent	89%, 88%, 91%
CMY	0.1055, 0.1172, 0.0859
CMYK	0.02, 0.03, 0.00, 0.09
HSL	262°, 15%, 90%
HSV	262°, 3%, 91%
XYZ	73.7008, 76.3034, 88.0091
YIQ	226.8090, -0.7800, 3.1240

Conversions

Conversions Part 2

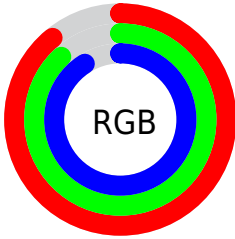
Format	Color
R_{YB}	228, 225, 233
Decimal	15000041
CIE _{Lab}	90.00, 2.46, -3.54
CIE _{LCh}	90, 4.313, 304.743
Yxy	76.3034, 0.3097, 0.3206
Android (android.graphics.Color)	4293190121 (0xFFE4E1E9)
YUV	226.8090, 3.0522, 1.0445
Hunter-Lab	87.3518, -2.2608, 1.4101

Details

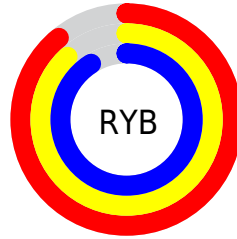
The CIELCh color `90, 4.313, 304.743` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `92, 4.266, 124.425`, and the grayscale version is `90, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `70, 4.013, 306.698` is the 20% darker color. If you saturate the color by 10%, you get `83, 17.135, 305.299`, and if you desaturate by 10%, it is `97, 8.083, 124.275`.

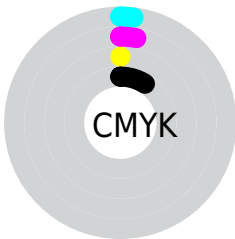
Distribution



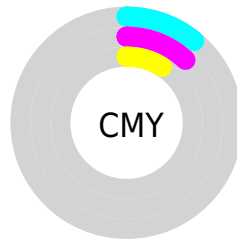
- Red (89%)
- Green (88%)
- Blue (91%)



- Red (89%)
- Yellow (88%)
- Blue (91%)



- Cyan (2%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)



- Cyan (11%)
- Magenta (12%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 4.313, 304.743 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, 4.313, 304.743 by changing the saturation by 10% instead.

■ 90, 4.313, 304.743

■ 90, 4.313, 304.743

100, 4.313,
304.743

■ 80, 4.313, 304.743

■ 70, 4.313, 304.743

■ 60, 4.313, 304.743

■ 50, 4.313, 304.743

■ 40, 4.313, 304.743

■ 30, 4.313, 304.743

■ 20, 4.313, 304.743

■ 10, 4.313, 304.743

■ 0, 4.313, 304.743

90, 4.313, 304.743

90, 4.313, 304.743

83, 17.135,
305.299

97, 8.083, 124.275

76, 30.383,
305.921

99, 11.084,
109.339

69, 44.018,
306.603

62, 57.945,
307.334

56, 71.959,
308.083

50, 85.668,
308.793

44, 98.395,
309.371

39, 109.119,
309.679

■ 36,116.652,
309.561

Harmonies

Complementary

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



90, 4.313, 304.743



92, 4.266, 124.425

Rectangle

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



90, 4.313, 304.743



90, 4.313, 354.743



90, 4.313, 124.743



90, 4.313, 174.743

Sweetspot

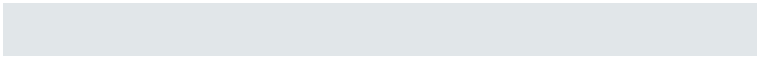
The Sweet Spot groups the original color and five complimentary colors.



90, 4.311, 304.732



99, 1.354, 304.561



91, 2.329, 240.373



53, 0.770, 304.555



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, 4.311, 304.732



97, 5.409, 304.766



90, 4.859, 320.875



47, 3.593, 304.806



25, 99.023, 309.446



4, 37.025, 307.485

Inverse Universe

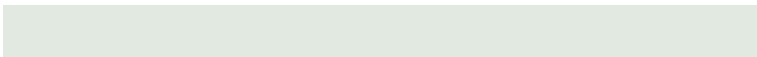
The Inverse Universe completely reimagines the original color for something new.



90, 3.885, 337.618



97, 4.873, 337.676



92, 4.835, 140.655



48, 3.236, 337.742



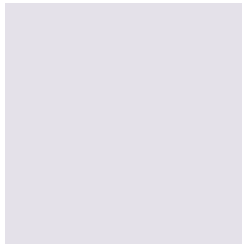
40, 68.407, 350.709



8, 30.198, 346.346

Previews

White Background



This preview shows how the CIELCh color 90, 4.313, 304.743 looks on a white background.

Color Contrast Check

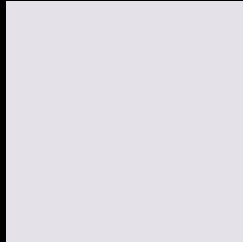
Large Text (above 18pt) WCAG AA × Fail

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, 4.313, 304.743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

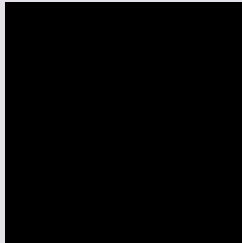
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

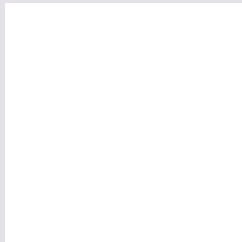
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 4.313, 304.743

Background



This preview shows how black text looks on a background with the CIELCh color 90, 4.313, 304.743.

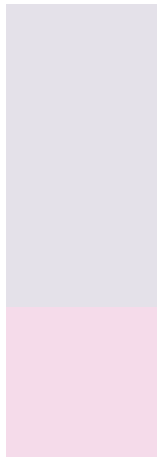


This preview shows how white text looks on a background with the CIELCh color 90, 4.313, 304.743.

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

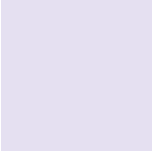
90, 4.313, 304.743

Protanopia

90, 4.313, 304.743

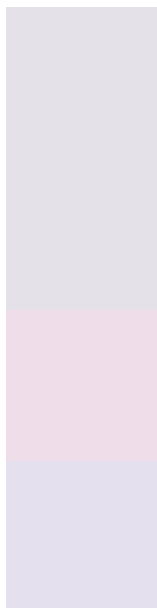
Deuteranopia

90, 12.170, 340.524



Tritanopia
90, 9.043, 301.994

Trichromacy



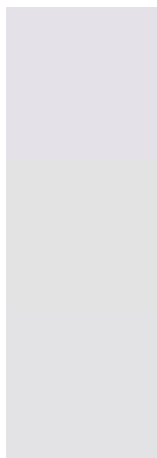
Original Color
90, 4.313, 304.743

Protanomaly
90, 4.313, 304.743

Deuteranomaly
90, 9.359, 333.867

Tritanomaly
90, 7.520, 304.233

Monochromacy



Original Color
90, 4.313, 304.743

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 1.612, 303.077

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 4.313, 304.743 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(228, 225, 233)` looks like.

```
.text, #text, p{  
    color:rgb(228, 225, 233)  
}
```

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(228, 225, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 225, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 4.313, 304.743 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(228, 225, 233) }
```

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

```
.border{ border-color:rgb(228, 225, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 225, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 225, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 225, 233);  
box-shadow:4px 4px 4px 4px rgb(228, 225,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 4.313, 304.743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 225, 233) }
```

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

```
.background{ background-color: rgb(228,  
225, 233) }
```

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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