

Converting Colors

CIELCh(90, 4.888, 303.858)

Have a look what the booklet for
CIELCh(90, 4.888, 303.858) contains.

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Color

CIELCh(90, 4.818, 303.243)

Conversions

Conversions Part 1

Format	Color
Hex	E4E1EA
RGB	228, 225, 234
RGB Percent	89%, 88%, 92%
CMY	0.1058, 0.1175, 0.0823
CMYK	0.03, 0.04, 0.00, 0.08
HSL	260°, 18%, 90%
HSV	260°, 4%, 92%
XYZ	73.7891, 76.3034, 88.6989
YIQ	226.9230, -1.1010, 3.4350

Conversions

Conversions Part 2

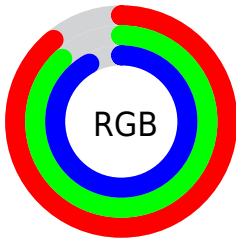
Format	Color
RYB	228, 225, 234
Decimal	15000042
CIELab	90.00, 2.64, -4.03
CIElCh	90, 4.818, 303.243
Yxy	76.3034, 0.3090, 0.3195
Android (android.graphics.Color)	4293190122 (0xFFE4E1EA)
YUV	226.9230, 3.4890, 0.9445
Hunter-Lab	87.3518, -2.0806, 0.9419

Details

The CIELCh color $90, 4.818, 303.243$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $92, 4.763, 122.846$, 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 $70, 4.541, 304.799$ is the 20% darker color. If you saturate the color by 10%, you get $83, 17.624, 303.839$, and if you desaturate by 10%, it is $97, 7.549, 122.734$.

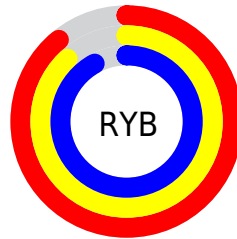
Distribution



Red (89%)

Green (88%)

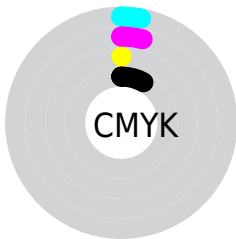
Blue (92%)



Red (89%)

Yellow (88%)

Blue (92%)

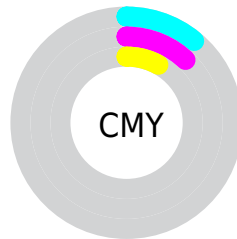


Cyan (3%)

Magenta (4%)

Yellow (0%)

Black (8%)



Cyan (11%)

Magenta (12%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 4.818, 303.243 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, 4.818, 303.243 by changing the saturation by 10% instead.

■ 90, 4.818, 303.243

■ 90, 4.818, 303.243

100, 4.818,
303.243

■ 80, 4.818, 303.243

■ 70, 4.818, 303.243

■ 60, 4.818, 303.243

■ 50, 4.818, 303.243

■ 40, 4.818, 303.243

■ 30, 4.818, 303.243

■ 20, 4.818, 303.243

■ 10, 4.818, 303.243

■ 0, 4.818, 303.243

90, 4.818, 303.243

90, 4.818, 303.243

83, 17.624,
303.839

97, 7.549, 122.734

76, 30.876,
304.514

100, 10.617,
109.374

69, 44.545,
305.262

62, 58.546,
306.075

55, 72.688,
306.921

49, 86.585,
307.742

43, 99.543,
308.439

38, 110.481,
308.863

■ 35,118.112,
308.840

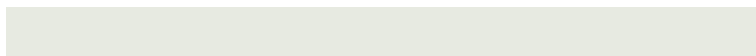
Harmonies

Complementary

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



90, 4.818, 303.243



92, 4.763, 122.846

Rectangle

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



90, 4.818, 303.243



90, 4.818, 353.243



90, 4.818, 123.243



90, 4.818, 173.243

Sweetspot

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



90, 4.816, 303.233



99, 1.345, 303.038



91, 2.600, 234.136



53, 0.765, 303.032



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, 4.816, 303.233



96, 6.726, 303.303



90, 5.383, 319.435



47, 4.289, 303.341



25, 99.810, 308.796



4, 36.814, 306.176

Inverse Universe

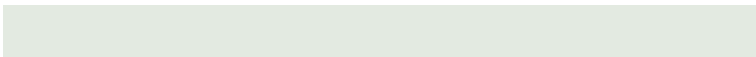
The Inverse Universe completely reimagines the original color for something new.



90, 4.501, 335.835



97, 6.281, 335.939



92, 5.355, 139.178



47, 4.004, 335.993



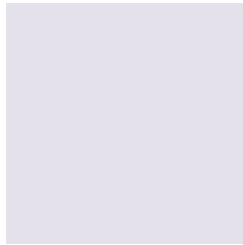
40, 69.973, 347.356



8, 30.885, 343.718

Previews

White Background



This preview shows how the CIELCh color 90, 4.818, 303.243 looks on a white background.

Color Contrast Check

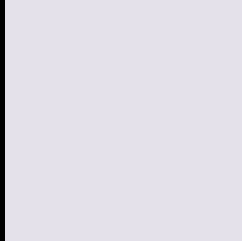
Large Text (above 18pt) WCAG AA × Fail

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, 4.818, 303.243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

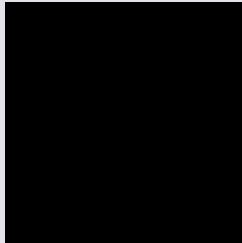
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

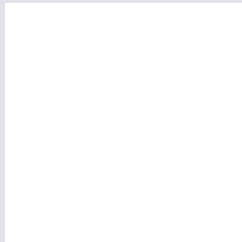
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 4.818, 303.243

Background



This preview shows how black text looks on a background with the CIELCh color 90, 4.818, 303.243.

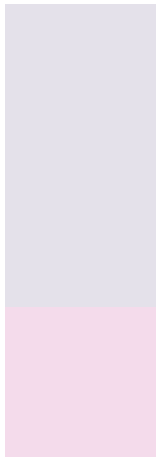


This preview shows how white text looks on a background with the CIELCh color 90, 4.818, 303.243.

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

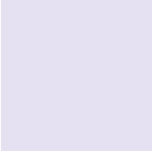
90, 4.818, 303.243

Protanopia

90, 4.818, 303.243

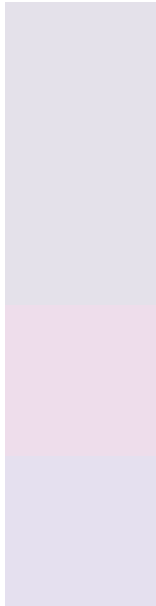
Deuteranopia

90, 12.237, 337.535



Tritanopia
90, 9.553, 301.416

Trichromacy



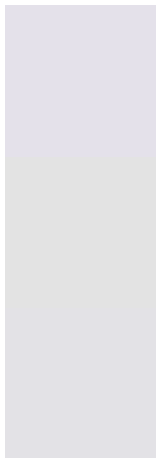
Original Color
90, 4.818, 303.243

Protanomaly
90, 4.818, 303.243

Deuteranomaly
90, 9.507, 330.120

Tritanomaly
90, 8.026, 303.387

Monochromacy



Original Color
90, 4.818, 303.243

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 2.122, 300.001

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 4.818, 303.243 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, 234)` looks like.

```
.text, #text, p{  
    color:rgb(228, 225, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 225, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 4.818, 303.243 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, 234) }
```

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

```
.border{ border-color:rgb(228, 225, 234) }
```

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, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 225, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 225, 234);  
box-shadow:4px 4px 4px 4px rgb(228, 225,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 4.818, 303.243 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, 234) }
```

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

```
.background{ background-color: rgb(228,  
225, 234) }
```

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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