

Converting Colors

CIELCh(90, 1.968, 314.555)

Have a look what the booklet for
CIELCh(90, 1.968, 314.555) contains.

CIELCh(90, 1.730, 314.614)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(90, 1.730, 314.614)

Conversions

Conversions Part 1

Format	Color
Hex	E4E2E5
RGB	228, 226, 229
RGB Percent	89%, 89%, 90%
CMY	0.1071, 0.1149, 0.1032
CMYK	0.00, 0.01, 0.00, 0.10
HSL	280°, 5%, 89%
HSV	280°, 1%, 90%
XYZ	73.1042, 76.3034, 84.7722
YIQ	226.9400, 0.2290, 1.3570

Conversions

Conversions Part 2

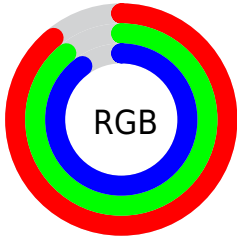
Format	Color
R _Y B	228, 226, 229
Decimal	15000293
CIE Lab	90.00, 1.22, -1.23
CIE LCh	90, 1.730, 314.614
Yxy	76.3034, 0.3122, 0.3258
Android (android.graphics.Color)	4293190373 (0xFFE4E2E5)
YUV	226.9400, 1.0156, 0.9296
Hunter-Lab	87.3518, -3.4801, 3.6071

Details

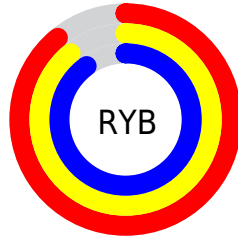
The CIELCh color **90, 1.730, 314.614** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **91, 1.706, 134.712**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 1.820, 314.655** is the 20% darker color. If you saturate the color by 10%, you get **84, 15.027, 315.115**, and if you desaturate by 10%, it is **96, 11.234, 134.333**.

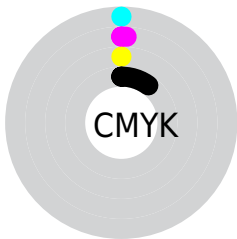
Distribution



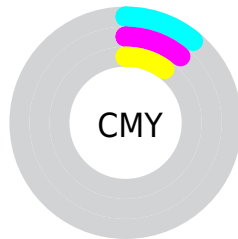
- Red (89%)
- Green (89%)
- Blue (90%)



- Red (89%)
- Yellow (89%)
- Blue (90%)



- Cyan (0%)
- Magenta (1%)
- Yellow (0%)
- Black (10%)



- Cyan (11%)
- Magenta (11%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 1.730, 314.614 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, 1.730, 314.614 by changing the saturation by 10% instead.

■ 90, 1.730, 314.614

■ 90, 1.730, 314.614

100, 1.730,
314.614

■ 80, 1.730, 314.614

■ 70, 1.730, 314.614

■ 60, 1.730, 314.614

■ 50, 1.730, 314.614

■ 40, 1.730, 314.614

■ 30, 1.730, 314.614

■ 20, 1.730, 314.614

■ 10, 1.730, 314.614

■ 0, 1.730, 314.614

90, 1.730, 314.614

90, 1.730, 314.614

84, 15.027,
315.115

96, 11.234,
134.333

77, 28.603,
315.560

99, 14.066,
127.111

71, 42.341,
316.006

99, 13.432,
116.001

65, 56.046,
316.435

99, 13.317,
109.171

60, 69.406,
316.815

55, 81.954,
317.103

50, 93.058,
317.237

46, 101.971,
317.144

■ 44, 108.029,
316.753

Harmonies

Complementary

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



90, 1.730, 314.614



91, 1.706, 134.712

Rectangle

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



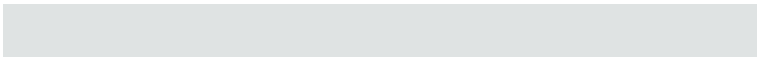
90, 1.730, 314.614



90, 1.730, 4.614



90, 1.730, 134.614



90, 1.730, 184.614

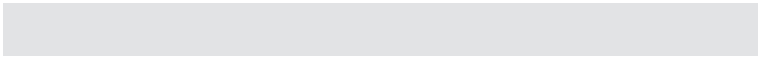
Sweetspot

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



90, 1.728, 314.600

100, 0.012, 296.813



90, 1.081, 270.189



53, 0.007, 296.813



0, 0.000, 0.000

Same Dimension

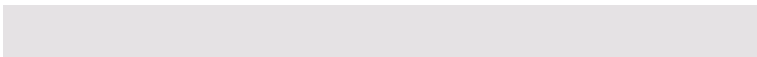
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 1.728, 314.600



99, 2.879, 314.666



90, 1.718, 328.731



48, 1.501, 314.657



32, 92.203, 316.344



5, 36.580, 316.940

Inverse Universe

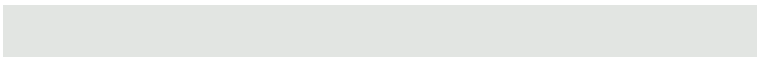
The Inverse Universe completely reimagines the original color for something new.



90, 1.201, 353.352



99, 2.003, 353.565



91, 1.700, 148.957



48, 1.044, 353.537



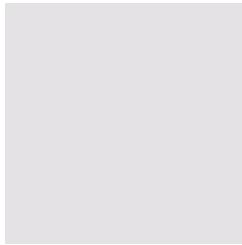
38, 66.078, 17.847



7, 26.706, 6.545

Previews

White Background



This preview shows how the CIELCh color 90, 1.730, 314.614 looks on a white background.

Color Contrast Check

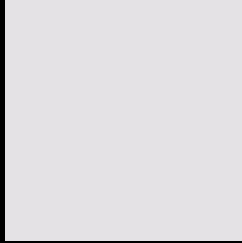
Large Text (above 18pt) WCAG AA × Fail

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, 1.730, 314.614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

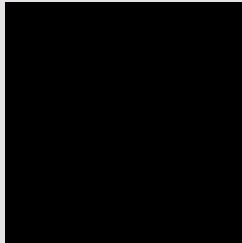
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

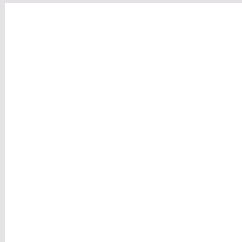
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 1.730, 314.614

Background



This preview shows how black text looks on a background with the CIELCh color 90, 1.730, 314.614.

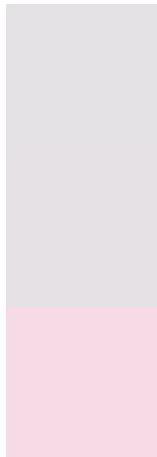


This preview shows how white text looks on a background with the CIELCh color 90, 1.730, 314.614.

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

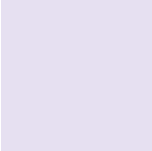
90, 1.730, 314.614

Protanopia

90, 2.391, 338.622

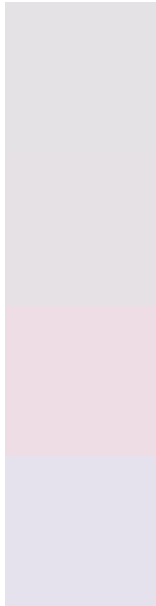
Deuteranopia

90, 11.304, 349.926



Tritanopia
90, 9.120, 304.147

Trichromacy



Original Color

90, 1.730, 314.614

Protanomaly

90, 2.134, 332.285

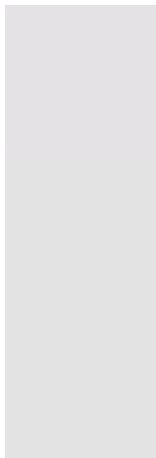
Deuteranomaly

90, 8.003, 344.221

Tritanomaly

90, 6.419, 303.315

Monochromacy



Original Color

90, 1.730, 314.614

Achromatopsia

90, 0.011, 296.813

Achromatomaly

90, 0.529, 290.354

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 1.730, 314.614 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, 226, 229)` looks like.

```
.text, #text, p{  
    color:rgb(228, 226, 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(228, 226, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 226, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 1.730, 314.614 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, 226, 229) }
```

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

```
.border{ border-color:rgb(228, 226, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 226, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 226, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 226, 229);  
box-shadow:4px 4px 4px 4px rgb(228, 226,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 1.730, 314.614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 226, 229) }
```

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

```
.background{ background-color: rgb(228,  
226, 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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