

Converting Colors

CIELCh(91, 3.453, 311.323)

Have a look what the booklet for
CIELCh(91, 3.453, 311.323) contains.

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Color

CIELCh(91, 3.309, 309.140)

Conversions

Conversions Part 1

Format	Color
Hex	E7E4EA
RGB	231, 228, 234
RGB Percent	91%, 89%, 92%
CMY	0.0938, 0.1055, 0.0820
CMYK	0.01, 0.03, 0.00, 0.08
HSL	270°, 13%, 91%
HSV	270°, 3%, 92%
XYZ	75.6141, 78.4833, 89.0713
YIQ	229.5810, -0.1380, 2.5020

Conversions

Conversions Part 2

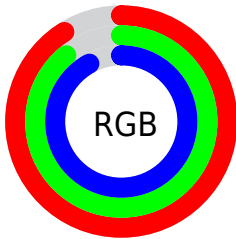
Format	Color
R_{YB}	231, 228, 234
Decimal	15197418
CIE _{Lab}	91.00, 2.09, -2.57
CIE _{LCh}	91, 3.309, 309.140
Yxy	78.4833, 0.3110, 0.3228
Android (android.graphics.Color)	4293387498 (0xFFE7E4EA)
YUV	229.5810, 2.1786, 1.2445
Hunter-Lab	88.5908, -2.6804, 2.4020

Details

The CIELCh color `91, 3.309, 309.140` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `92, 3.275, 128.987`, and the grayscale version is `91, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `71, 2.846, 305.609` is the 20% darker color. If you saturate the color by 10%, you get `84, 16.417, 309.623`, and if you desaturate by 10%, it is `98, 9.410, 128.766`.

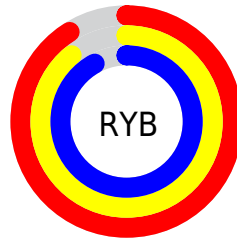
Distribution



Red (91%)

Green (89%)

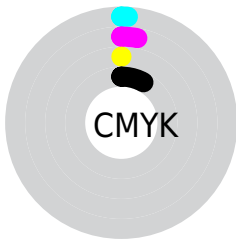
Blue (92%)



Red (91%)

Yellow (89%)

Blue (92%)

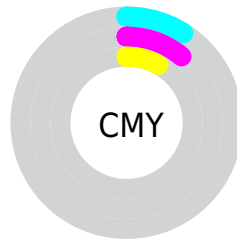


Cyan (1%)

Magenta (3%)

Yellow (0%)

Black (8%)



Cyan (9%)

Magenta (11%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 3.309, 309.140 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 91, 3.309, 309.140 by changing the saturation by 10% instead.

■ 91, 3.309, 309.140

■ 91, 3.309, 309.140

100, 3.309,
309.140

■ 81, 3.309, 309.140

■ 71, 3.309, 309.140

■ 61, 3.309, 309.140

■ 51, 3.309, 309.140

■ 41, 3.309, 309.140

■ 31, 3.309, 309.140

■ 21, 3.309, 309.140

■ 11, 3.309, 309.140

■ 1, 3.309, 309.140

91, 3.309, 309.140

91, 3.309, 309.140

84, 16.417,
309.623

98, 9.410, 128.766

78, 29.893,
310.130

99, 10.588,
110.326

71, 43.665,
310.666

100, 10.585,
109.377

64, 57.594,
311.215

58, 71.427,
311.743

52, 84.735,
312.198

47, 96.853,
312.499

43, 106.881,
312.538

■ 39,113.878,
312.199

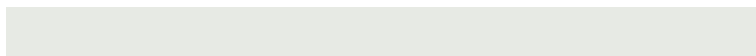
Harmonies

Complementary

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



91, 3.309, 309.140



92, 3.275, 128.987

Rectangle

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



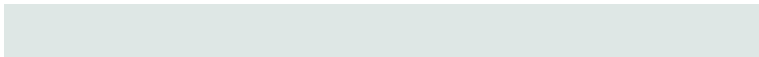
91, 3.309, 309.140



91, 3.309, 359.140



91, 3.309, 129.140



91, 3.309, 179.140

Sweetspot

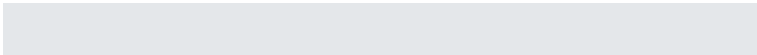
The Sweet Spot groups the original color and five complimentary colors.



91, 3.307, 309.129



99, 1.387, 308.999



92, 1.849, 254.133



53, 0.789, 308.991



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



91, 3.307, 309.129



98, 4.151, 309.155



91, 3.774, 324.062



48, 2.940, 309.196



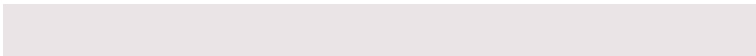
28, 96.483, 311.906



4, 37.676, 311.601

Inverse Universe

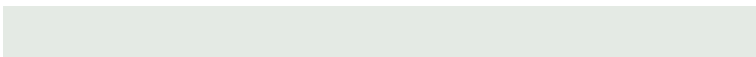
The Inverse Universe completely reimagines the original color for something new.



91, 2.664, 343.672



98, 3.344, 343.734



92, 3.755, 143.935



48, 2.369, 343.828



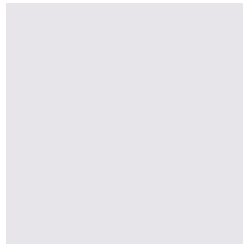
39, 65.543, 1.900



8, 28.611, 355.187

Previews

White Background



This preview shows how the CIE LCh color 91, 3.309, 309.140 looks on a white background.

Color Contrast Check

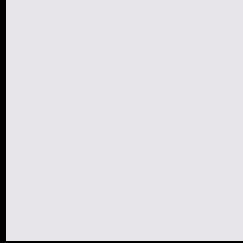
Large Text (above 18pt) WCAG AA × Fail

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 91, 3.309, 309.140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

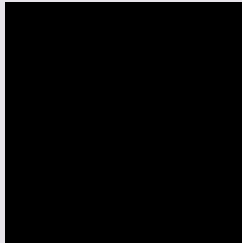
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

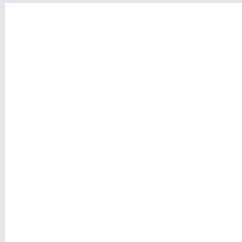
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 3.309, 309.140

Background



This preview shows how black text looks on a background with the CIELCh color 91, 3.309, 309.140.



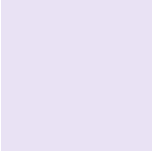
This preview shows how white text looks on a background with the CIELCh color 91, 3.309, 309.140.

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](#).

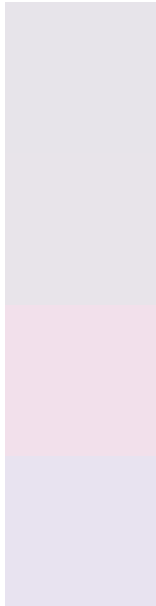
Dichromacy





Tritanopia
91, 9.695, 305.464

Trichromacy



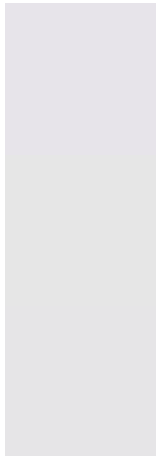
Original Color
91, 3.309, 309.140

Protanomaly
91, 3.442, 314.719

Deuteranomaly
91, 8.624, 338.625

Tritanomaly
91, 6.999, 305.203

Monochromacy



Original Color
91, 3.309, 309.140

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 1.110, 308.988

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 3.309, 309.140 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(231, 228, 234)` looks like.

```
.text, #text, p{  
    color:rgb(231, 228, 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(231, 228, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 228, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 3.309, 309.140 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(231, 228, 234) }
```

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

```
.border{ border-color:rgb(231, 228, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 228, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 228, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 228, 234);  
box-shadow:4px 4px 4px 4px rgb(231, 228,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 3.309, 309.140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 228, 234) }
```

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

```
.background{ background-color: rgb(231,  
228, 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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