

Converting Colors

CIELCh(91, 2.816, 308.359)

Have a look what the booklet for
CIELCh(91, 2.816, 308.359) contains.

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Color

CIELCh(91, 2.823, 312.512)

Conversions

Conversions Part 1

Format	Color
Hex	E7E4E9
RGB	231, 228, 233
RGB Percent	91%, 89%, 91%
CMY	0.0935, 0.1052, 0.0856
CMYK	0.01, 0.02, 0.00, 0.09
HSL	276°, 10%, 90%
HSV	276°, 2%, 91%
XYZ	75.5255, 78.4833, 88.3795
YIQ	229.4670, 0.1830, 2.1910

Conversions

Conversions Part 2

Format	Color
R _Y B	231, 228, 233
Decimal	15197417
CIE Lab	91.00, 1.91, -2.08
CIE LCh	91, 2.823, 312.512
Yxy	78.4833, 0.3116, 0.3238
Android (android.graphics.Color)	4293387497 (0xFFE7E4E9)
YUV	229.4670, 1.7418, 1.3444
Hunter-Lab	88.5908, -2.8590, 2.8650

Details

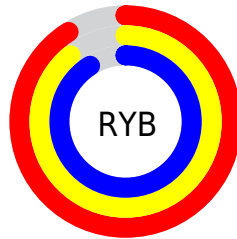
The CIELCh color `91, 2.823, 312.512` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `92, 2.794, 132.445`, and the grayscale version is `91, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `71, 2.324, 309.119` is the 20% darker color. If you saturate the color by 10%, you get `84, 16.149, 312.978`, and if you desaturate by 10%, it is `98, 10.147, 132.183`.

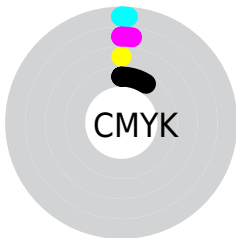
Distribution



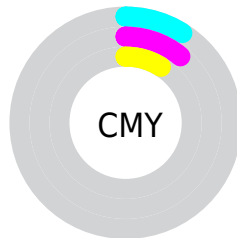
- Red (91%)
- Green (89%)
- Blue (91%)



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



- Cyan (1%)
- Magenta (2%)
- Yellow (0%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 2.823, 312.512 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, 2.823, 312.512 by changing the saturation by 10% instead.

■ 91, 2.823, 312.512

■ 91, 2.823, 312.512

100, 2.823,
312.512

■ 81, 2.823, 312.512

■ 71, 2.823, 312.512

■ 61, 2.823, 312.512

■ 51, 2.823, 312.512

■ 41, 2.823, 312.512

■ 31, 2.823, 312.512

■ 21, 2.823, 312.512

■ 11, 2.823, 312.512

■ 1, 2.823, 312.512

91, 2.823, 312.512

91, 2.823, 312.512

84, 16.149,
312.978

98, 10.147,
132.183

78, 29.790,
313.437

99, 11.232,
118.859

72, 43.643,
313.906

99, 11.053,
109.341

65, 57.532,
314.367

60, 71.160,
314.786

54, 84.064,
315.114

49, 95.585,
315.281

45, 104.909,
315.201

■ 42, 111.271,
314.785

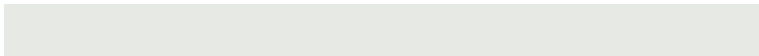
Harmonies

Complementary

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



91, 2.823, 312.512



92, 2.794, 132.445

Rectangle

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



91, 2.823, 312.512



91, 2.823, 2.512



91, 2.823, 132.512



91, 2.823, 182.512

Sweetspot

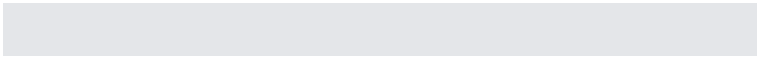
The Sweet Spot groups the original color and five complimentary colors.



91, 2.821, 312.501



99, 1.419, 312.387



91, 1.677, 264.345



53, 0.807, 312.379



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, 2.821, 312.501



98, 4.247, 312.555



91, 2.988, 326.792



48, 3.008, 312.596



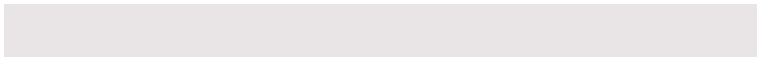
31, 94.446, 314.416



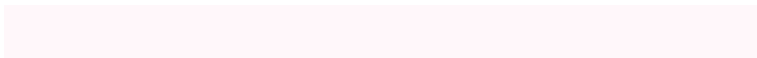
5, 38.148, 314.979

Inverse Universe

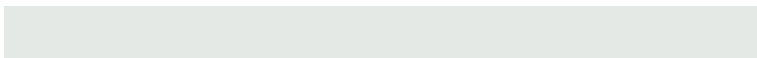
The Inverse Universe completely reimagines the original color for something new.



91, 2.078, 349.346



98, 3.130, 349.492



92, 2.969, 146.755



48, 2.218, 349.596



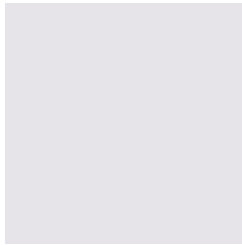
38, 65.566, 11.555



7, 27.961, 2.838

Previews

White Background



This preview shows how the CIELCh color 91, 2.823, 312.512 looks on a white background.

Color Contrast Check

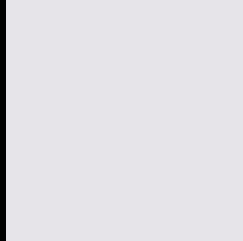
Large Text (above 18pt) WCAG AA × Fail

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, 2.823, 312.512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

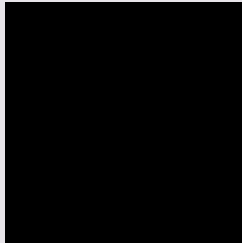
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

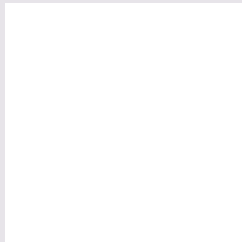
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 2.823, 312.512

Background



This preview shows how black text looks on a background with the CIELCh color 91, 2.823, 312.512.



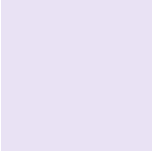
This preview shows how white text looks on a background with the CIELCh color 91, 2.823, 312.512.

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](#).

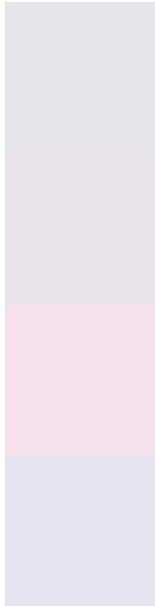
Dichromacy





Tritanopia
91, 9.695, 305.464

Trichromacy



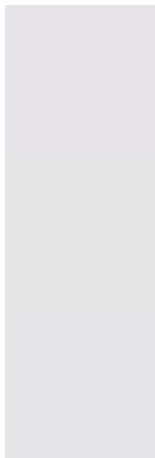
Original Color
91, 2.823, 312.512

Protanomaly
91, 2.979, 318.828

Deuteranomaly
91, 8.576, 342.844

Tritanomaly
91, 6.999, 305.203

Monochromacy



Original Color
91, 2.823, 312.512

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, 2.823, 312.512 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, 233)` looks like.

```
.text, #text, p{  
    color:rgb(231, 228, 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(231, 228, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 228, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 2.823, 312.512 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, 233) }
```

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

```
.border{ border-color:rgb(231, 228, 233) }
```

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, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 228, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 228, 233);  
box-shadow:4px 4px 4px 4px rgb(231, 228,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 2.823, 312.512 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, 233) }
```

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

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