

Converting Colors

CIE LCh(91, 2.610, 303.135)

Have a look what the booklet for
CIELCh(91, 2.610, 303.135) contains.

CIELCh(91, 2.706, 305.571)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(91, 2.706, 305.571)

Conversions

Conversions Part 1

Format	Color
Hex	E6E4E9
RGB	230, 228, 233
RGB Percent	90%, 89%, 91%
CMY	0.0966, 0.1044, 0.0848
CMYK	0.01, 0.02, 0.00, 0.08
HSL	264°, 10%, 91%
HSV	264°, 2%, 92%
XYZ	75.3624, 78.4833, 88.5503
YIQ	229.1680, -0.4130, 1.9790

Conversions

Conversions Part 2

Format	Color
R_{YB}	230, 228, 233
Decimal	15131881
CIE _{Lab}	91.00, 1.57, -2.20
CIE _{LCh}	91, 2.706, 305.571
Yxy	78.4833, 0.3109, 0.3238
Android (android.graphics.Color)	4293321961 (0xFFE6E4E9)
YUV	229.1680, 1.8892, 0.7297
Hunter-Lab	88.5908, -3.1875, 2.7507

Details

The CIELCh color `91, 2.706, 305.571` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `92, 2.674, 125.416`, 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, 15.534, 306.106`, and if you desaturate by 10%, it is `98, 9.704, 125.136`.

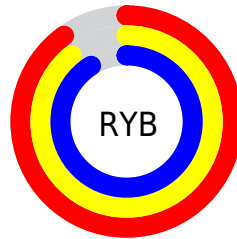
Distribution



Red (90%)

Green (89%)

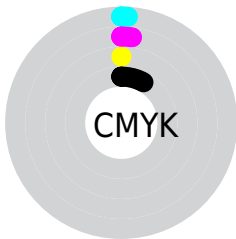
Blue (91%)



Red (90%)

Yellow (89%)

Blue (91%)

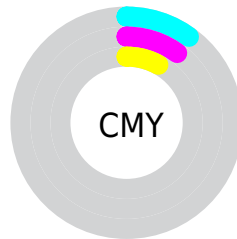


Cyan (1%)

Magenta (2%)

Yellow (0%)

Black (8%)



Cyan (10%)

Magenta (10%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 2.706, 305.571 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, 2.706, 305.571 by changing the saturation by 10% instead.

■ 91, 2.706, 305.571

■ 91, 2.706, 305.571

100, 2.706,
305.571

■ 81, 2.706, 305.571

■ 71, 2.706, 305.571

■ 61, 2.706, 305.571

■ 51, 2.706, 305.571

■ 41, 2.706, 305.571

■ 31, 2.706, 305.571

■ 21, 2.706, 305.571

■ 11, 2.706, 305.571

■ 1, 2.706, 305.571

91, 2.706, 305.571

91, 2.706, 305.571

84, 15.534,
306.106

98, 9.704, 125.136

77, 28.781,
306.694

99, 10.944,
109.350

70, 42.404,
307.336

64, 56.310,
308.020

57, 70.298,
308.719

51, 83.997,
309.378

45, 96.767,
309.911

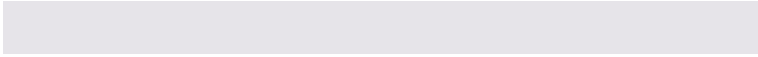
40, 107.645,
310.192

■ 37,115.491,
310.071

Harmonies

Complementary

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



91, 2.706, 305.571



92, 2.674, 125.416

Rectangle

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



91, 2.706, 305.571



91, 2.706, 355.571



91, 2.706, 125.571



91, 2.706, 175.571

Sweetspot

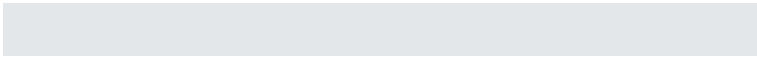
The Sweet Spot groups the original color and five complimentary colors.



91, 2.704, 305.554



99, 1.360, 305.459



92, 1.467, 242.428



53, 0.773, 305.453



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, 2.704, 305.554



98, 4.071, 305.607



91, 3.051, 321.260



48, 2.884, 305.651



26, 98.535, 309.874



4, 37.154, 308.284

Inverse Universe

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



91, 2.384, 338.595



98, 3.588, 338.711



92, 3.030, 141.225



48, 2.541, 338.794



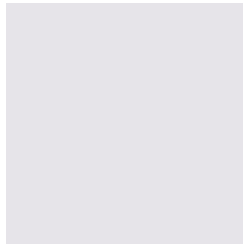
39, 67.608, 352.807



8, 29.824, 347.991

Previews

White Background



This preview shows how the CIELCh color 91, 2.706, 305.571 looks on a white background.

Color Contrast Check

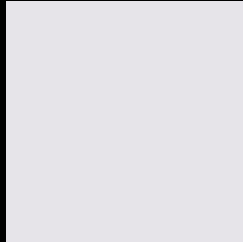
Large Text (above 18pt) WCAG AA × Fail

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, 2.706, 305.571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

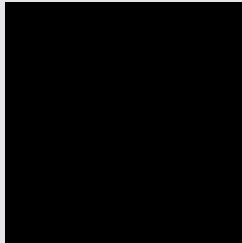
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

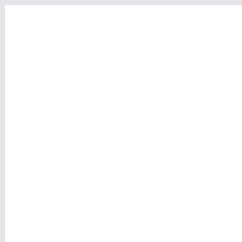
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 2.706, 305.571

Background



This preview shows how black text looks on a background with the CIELCh color 91, 2.706, 305.571.



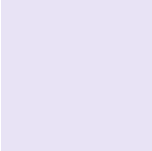
This preview shows how white text looks on a background with the CIELCh color 91, 2.706, 305.571.

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](#).

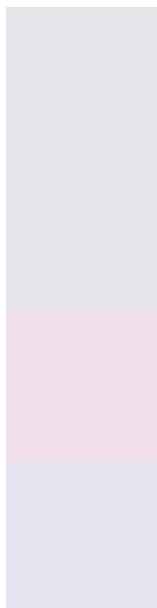
Dichromacy





Tritanopia
91, 9.530, 301.410

Trichromacy



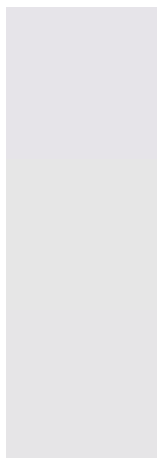
Original Color
91, 2.706, 305.571

Protanomaly
91, 2.823, 312.512

Deuteranomaly
91, 8.293, 341.309

Tritanomaly
91, 6.843, 299.526

Monochromacy



Original Color
91, 2.706, 305.571

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, 2.706, 305.571 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(230, 228, 233)` looks like.

```
.text, #text, p{  
    color:rgb(230, 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(230, 228, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 228, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 2.706, 305.571 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(230, 228, 233) }
```

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

```
.border{ border-color:rgb(230, 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(230, 228, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 228, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 228, 233);  
box-shadow:4px 4px 4px 4px rgb(230, 228,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 2.706, 305.571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 228, 233) }
```

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

```
.background{ background-color: rgb(230,  
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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