

Converting Colors

CIE LCh(91, 6.017, 304.641)

Have a look what the booklet for
CIELCh(91, 6.017, 304.641) contains.

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Color

CIELCh(91, 6.498, 306.333)

Conversions

Conversions Part 1

Format	Color
Hex	E8E3EF
RGB	232, 227, 239
RGB Percent	91%, 89%, 94%
CMY	0.0894, 0.1090, 0.0619
CMYK	0.03, 0.05, 0.00, 0.06
HSL	265°, 28%, 91%
HSV	265°, 5%, 94%
XYZ	76.4797, 78.4833, 92.9377
YIQ	229.8630, -0.8720, 4.7920

Conversions

Conversions Part 2

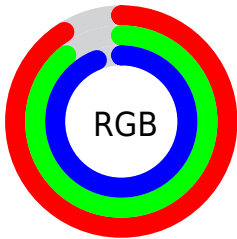
Format	Color
R _Y B	232, 227, 239
Decimal	15262703
CIE Lab	91.00, 3.85, -5.23
CIE LCh	91, 6.498, 306.333
Yxy	78.4833, 0.3085, 0.3166
Android (android.graphics.Color)	4293452783 (0xFFE8E3EF)
YUV	229.8630, 4.5045, 1.8741
Hunter-Lab	88.5908, -0.9363, -0.1856

Details

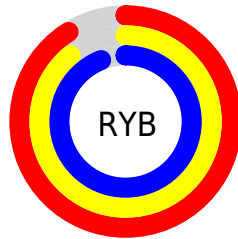
The CIELCh color `91, 6.498, 306.333` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `94, 6.426, 125.876`, and the grayscale version is `91, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `71, 6.213, 304.470` is the 20% darker color. If you saturate the color by 10%, you get `84, 19.744, 306.865`, and if you desaturate by 10%, it is `98, 6.327, 125.889`.

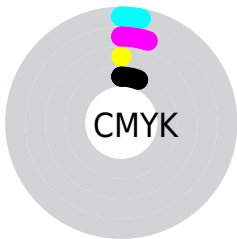
Distribution



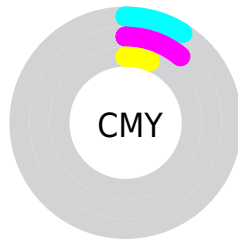
- Red (91%)
- Green (89%)
- Blue (94%)



- Red (91%)
- Yellow (89%)
- Blue (94%)



- Cyan (3%)
- Magenta (5%)
- Yellow (0%)
- Black (6%)



- Cyan (9%)
- Magenta (11%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 6.498, 306.333 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, 6.498, 306.333 by changing the saturation by 10% instead.

91, 6.498, 306.333

91, 6.498, 306.333

100, 6.498,
306.333

81, 6.498, 306.333

71, 6.498, 306.333

61, 6.498, 306.333

51, 6.498, 306.333

41, 6.498, 306.333

31, 6.498, 306.333

21, 6.498, 306.333

11, 6.498, 306.333

1, 6.498, 306.333

91, 6.498, 306.333

91, 6.498, 306.333

84, 19.744,
306.865

98, 6.327, 125.889

77, 33.401,
307.452

100, 7.995,
109.570

70, 47.409,
308.087

63, 61.637,
308.752

57, 75.830,
309.412

51, 89.531,
310.005

45, 101.988,
310.434

40, 112.152,
310.566

■ 37,118.933,
310.261

Harmonies

Complementary

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



91, 6.498, 306.333



94, 6.426, 125.876

Rectangle

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



91, 6.498, 306.333



91, 6.498, 356.333



91, 6.498, 126.333



91, 6.498, 176.333

Sweetspot

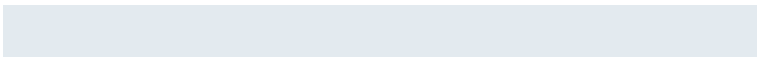
The Sweet Spot groups the original color and five complimentary colors.



91, 6.496, 306.327



99, 2.721, 306.155



92, 3.503, 244.576



53, 1.547, 306.149



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, 6.496, 306.327



96, 8.195, 306.380



91, 7.334, 321.922



48, 5.171, 306.412



27, 99.232, 310.172



4, 39.287, 309.440

Inverse Universe

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



91, 5.636, 339.717



96, 7.108, 339.808



93, 7.307, 141.499



48, 4.484, 339.862



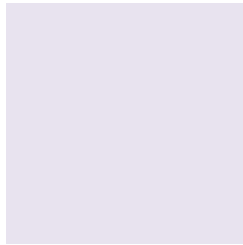
40, 67.814, 354.315



9, 30.421, 349.419

Previews

White Background



This preview shows how the CIELCh color 91, 6.498, 306.333 looks on a white background.

Color Contrast Check

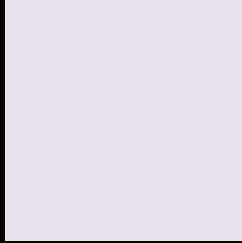
Large Text (above 18pt) WCAG AA × Fail

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, 6.498, 306.333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

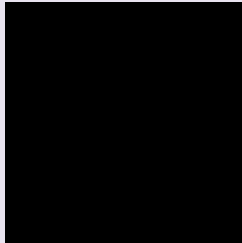
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

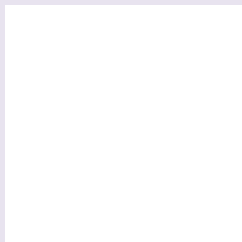
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 6.498, 306.333

Background



This preview shows how black text looks on a background with the CIELCh color 91, 6.498, 306.333.

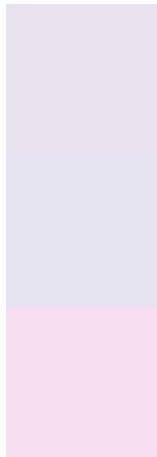


This preview shows how white text looks on a background with the CIELCh color 91, 6.498, 306.333.

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

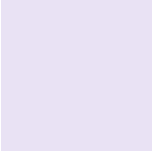
91, 6.498, 306.333

Protanopia

91, 6.279, 297.075

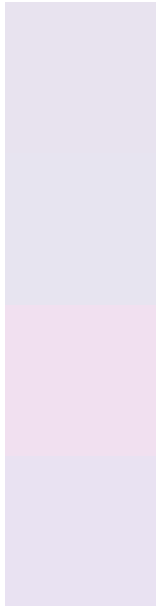
Deuteranopia

91, 12.681, 332.949



Tritanopia
91, 9.695, 305.464

Trichromacy



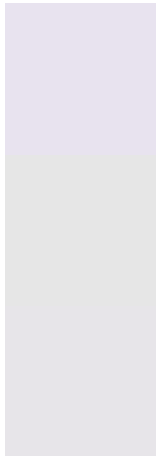
Original Color
91, 6.498, 306.333

Protanomaly
91, 6.332, 300.221

Deuteranomaly
91, 10.297, 326.428

Tritanomaly
91, 8.696, 307.158

Monochromacy



Original Color
91, 6.498, 306.333

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 2.208, 309.083

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 6.498, 306.333 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(232, 227, 239)` looks like.

```
.text, #text, p{  
    color:rgb(232, 227, 239)  
}
```

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(232, 227, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 227, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 6.498, 306.333 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(232, 227, 239) }
```

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

```
.border{ border-color:rgb(232, 227, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 227, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 227, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 227, 239);  
box-shadow:4px 4px 4px 4px rgb(232, 227,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 6.498, 306.333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 227, 239) }
```

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

```
.background{ background-color: rgb(232,  
227, 239) }
```

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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