

Converting Colors

CIELCh(91, 4.543, 120.269)

Have a look what the booklet for
CIELCh(91, 4.543, 120.269) contains.

CIELCh(91, 4.198, 119.703)	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, 4.198, 119.703)

Conversions

Conversions Part 1

Format	Color
Hex	E4E6DE
RGB	228, 230, 222
RGB Percent	89%, 90%, 87%
CMY	0.1053, 0.0974, 0.1288
CMYK	0.01, 0.00, 0.03, 0.10
HSL	75°, 14%, 89%
HSV	75°, 3%, 90%
XYZ	73.5913, 78.4833, 80.4873
YIQ	228.4900, 1.3760, -2.9120

Conversions

Conversions Part 2

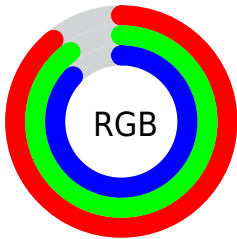
Format	Color
R _Y B	222, 230, 224
Decimal	15001310
CIE Lab	91.00, -2.08, 3.65
CIE LCh	91, 4.198, 119.703
Yxy	78.4833, 0.3164, 0.3375
Android (android.graphics.Color)	4293191390 (0xFFE4E6DE)
YUV	228.4900, -3.1996, -0.4297
Hunter-Lab	88.5908, -6.7562, 8.1469

Details

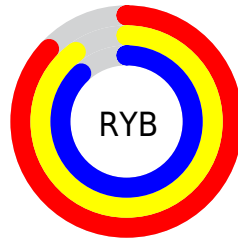
The CIELCh color **91, 4.198, 119.703** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **89, 4.249, 300.133**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **71, 4.420, 119.639** is the 20% darker color. If you saturate the color by 10%, you get **90, 16.290, 119.084**, and if you desaturate by 10%, it is **92, 7.904, 300.311**.

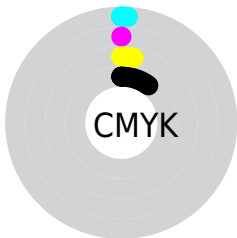
Distribution



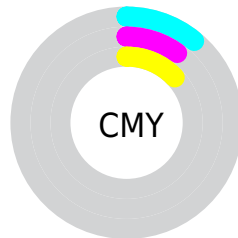
- Red (89%)
- Green (90%)
- Blue (87%)



- Red (87%)
- Yellow (90%)
- Blue (88%)



- Cyan (1%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)



- Cyan (11%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 4.198, 119.703 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, 4.198, 119.703 by changing the saturation by 10% instead.

■ 91, 4.198, 119.703

■ 91, 4.198, 119.703

■ 100, 4.198,
119.703

■ 81, 4.198, 119.703

■ 71, 4.198, 119.703

■ 61, 4.198, 119.703

■ 51, 4.198, 119.703

■ 41, 4.198, 119.703

■ 31, 4.198, 119.703

■ 21, 4.198, 119.703

■ 11, 4.198, 119.703

■ 1, 4.198, 119.703

91, 4.198, 119.703

91, 4.198, 119.703

90, 16.290,
119.084

92, 7.904, 300.311

89, 28.295,
118.444

93, 13.304,
305.398

88, 40.108,
117.811

93, 13.940,
313.392

88, 51.575,
117.215

94, 14.821,
320.644

87, 62.457,
116.698

94, 15.518,
324.960

86, 72.406,
116.324

86, 80.943,
116.179

85, 87.509,
116.368

■ 85, 91.680,
116.982

Harmonies

Complementary

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



91, 4.198, 119.703



89, 4.249, 300.133

Rectangle

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



91, 4.198, 119.703



91, 4.198, 169.703



91, 4.198, 299.703



91, 4.198, 349.703

Sweetspot

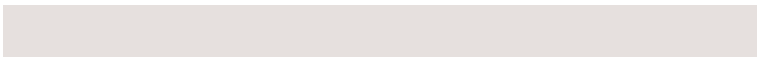
The Sweet Spot groups the original color and five complimentary colors.



91, 4.200, 119.718



100, 1.304, 119.890



90, 2.389, 45.019



53, 0.741, 119.895



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, 4.200, 119.718



100, 5.251, 119.683



91, 4.684, 137.192



48, 3.424, 119.639



67, 77.077, 117.361



19, 30.137, 117.028

Inverse Universe

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



89, 4.249, 300.133



97, 5.314, 300.169



89, 4.713, 317.396



46, 3.467, 300.216



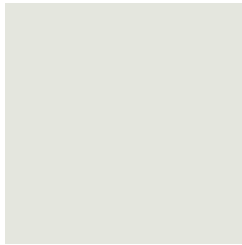
23, 100.129, 307.759



3, 34.276, 302.802

Previews

White Background



This preview shows how the CIELCh color 91, 4.198, 119.703 looks on a white background.

Color Contrast Check

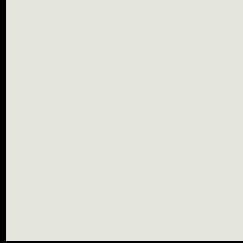
Large Text (above 18pt) WCAG AA × Fail

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, 4.198, 119.703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

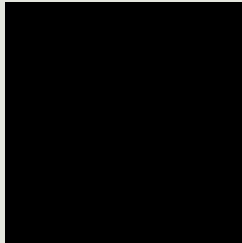
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

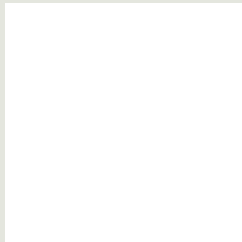
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 4.198, 119.703

Background



This preview shows how black text looks on a background with the CIELCh color 91, 4.198, 119.703.

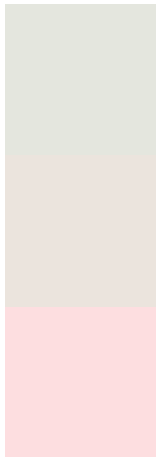


This preview shows how white text looks on a background with the CIELCh color 91, 4.198, 119.703.

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

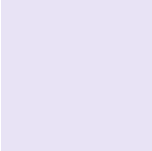
91, 4.198, 119.703

Protanopia

91, 4.399, 74.600

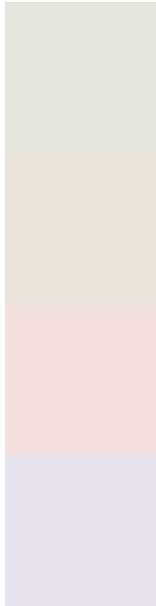
Deuteranopia

91, 11.384, 14.988



Tritanopia
91, 9.530, 301.410

Trichromacy



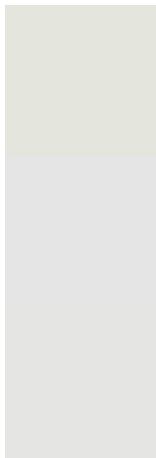
Original Color
91, 4.198, 119.703

Protanomaly
91, 4.362, 90.427

Deuteranomaly
91, 6.990, 28.278

Tritanomaly
91, 4.806, 303.241

Monochromacy



Original Color
91, 4.198, 119.703

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 1.025, 110.025

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 4.198, 119.703 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, 230, 222)` looks like.

```
.text, #text, p{  
    color:rgb(228, 230, 222)  
}
```

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, 230, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 230, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 4.198, 119.703 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, 230, 222) }
```

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

```
.border{ border-color:rgb(228, 230, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 230, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 230, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 230, 222);  
box-shadow:4px 4px 4px 4px rgb(228, 230,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 4.198, 119.703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 230, 222) }
```

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

```
.background{ background-color: rgb(228,  
230, 222) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor