

Converting Colors

CIELCh(91, 1.451, 130.695)

Have a look what the booklet for
CIELCh(91, 1.451, 130.695) contains.

CIELCh(91, 1.707, 134.727)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(91, 1.707, 134.727)

Conversions

Conversions Part 1

Format	Color
Hex	E4E6E3
RGB	228, 230, 227
RGB Percent	89%, 90%, 89%
CMY	0.1066, 0.0988, 0.1106
CMYK	0.01, 0.00, 0.01, 0.10
HSL	100°, 6%, 90%
HSV	100°, 1%, 90%
XYZ	74.0147, 78.4833, 83.7807
YIQ	229.0600, -0.2290, -1.3570

Conversions

Conversions Part 2

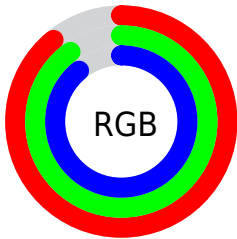
Format	Color
R _Y B	227, 230, 229
Decimal	15001315
CIE Lab	91.00, -1.20, 1.21
CIE LCh	91, 1.707, 134.727
Yxy	78.4833, 0.3133, 0.3322
Android (android.graphics.Color)	4293191395 (0xFFE4E6E3)
YUV	229.0600, -1.0156, -0.9296
Hunter-Lab	88.5908, -5.9031, 5.9427

Details

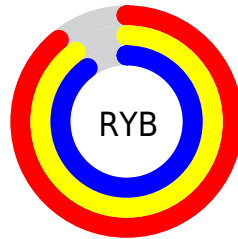
The CIELCh color **91, 1.707, 134.727** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90, 1.732, 314.629**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **71, 1.799, 134.687** is the 20% darker color. If you saturate the color by 10%, you get **89, 14.933, 134.210**, and if you desaturate by 10%, it is **93, 11.377, 315.000**.

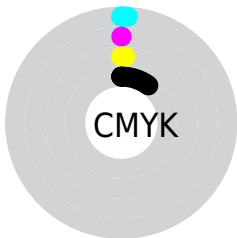
Distribution



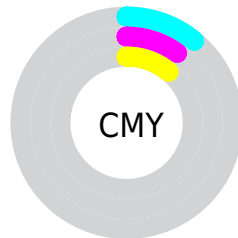
- Red (89%)
- Green (90%)
- Blue (89%)



- Red (89%)
- Yellow (90%)
- Blue (90%)



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



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 1.707, 134.727 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, 1.707, 134.727 by changing the saturation by 10% instead.

■ 91, 1.707, 134.727

■ 91, 1.707, 134.727

■ 100, 1.707,
134.727

■ 81, 1.707, 134.727

■ 71, 1.707, 134.727

■ 61, 1.707, 134.727

■ 51, 1.707, 134.727

■ 41, 1.707, 134.727

■ 31, 1.707, 134.727

■ 21, 1.707, 134.727

■ 11, 1.707, 134.727

■ 1, 1.707, 134.727

■ 91, 1.707, 134.727

■ 91, 1.707, 134.727

■ 89, 14.933,
134.210

■ 93, 11.377,
315.000

■ 88, 28.202,
133.725

■ 94, 15.739,
324.968

■ 86, 41.392,
133.205

■ 85, 54.324,
132.669

■ 84, 66.747,
132.151

■ 83, 78.311,
131.716

■ 82, 88.544,
131.459

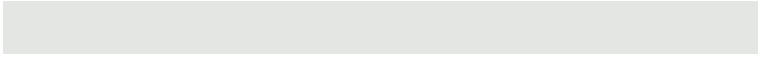
■ 82, 96.877,
131.511

■ 81, 102.798,
131.989

Harmonies

Complementary

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



91, 1.707, 134.727



90, 1.732, 314.629

Rectangle

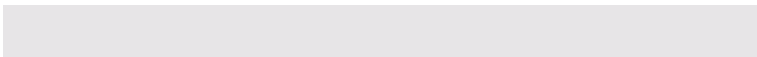
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



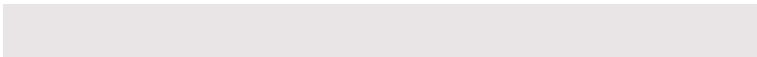
91, 1.707, 134.727



91, 1.707, 184.727



91, 1.707, 314.727



91, 1.707, 4.727

Sweetspot

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



91, 1.709, 134.742

100, 0.012, 296.813



91, 1.083, 90.718



53, 0.007, 296.813



0, 0.000, 0.000

Same Dimension

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



91, 1.709, 134.742



100, 2.853, 134.674



91, 1.683, 149.510



48, 1.487, 134.684



64, 87.571, 132.477



18, 33.930, 132.563

Inverse Universe

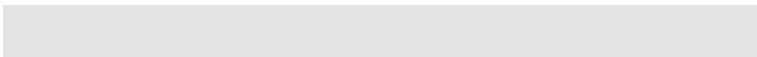
The Inverse Universe completely reimagines the original color for something new.



90, 1.732, 314.629



99, 2.880, 314.696



90, 1.701, 329.275



48, 1.502, 314.687



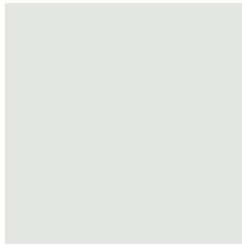
32, 92.186, 316.372



5, 36.585, 316.972

Previews

White Background



This preview shows how the CIELCh color 91, 1.707, 134.727 looks on a white background.

Color Contrast Check

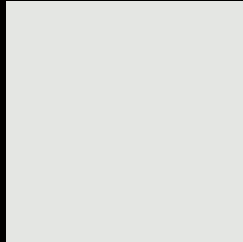
Large Text (above 18pt) WCAG AA × Fail

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, 1.707, 134.727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

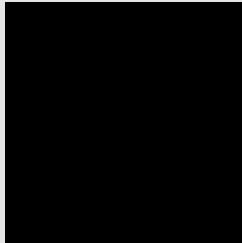
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

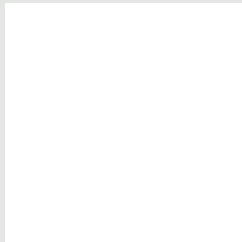
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 1.707, 134.727

Background



This preview shows how black text looks on a background with the CIELCh color 91, 1.707, 134.727.

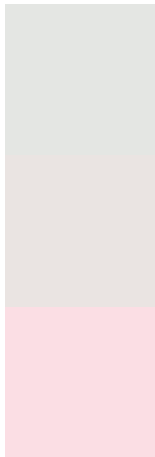


This preview shows how white text looks on a background with the CIELCh color 91, 1.707, 134.727.

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

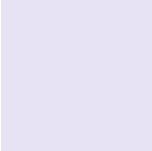
91, 1.707, 134.727

Protanopia

91, 2.379, 45.018

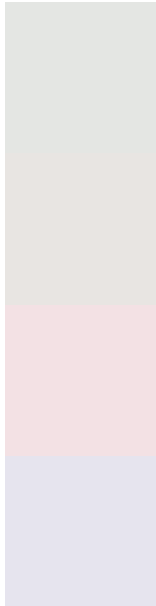
Deuteranopia

91, 10.977, 3.787



Tritanopia
91, 9.469, 299.344

Trichromacy



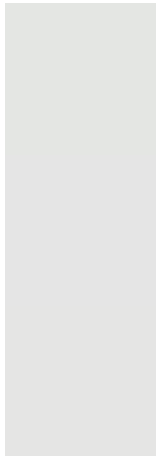
Original Color
91, 1.707, 134.727

Protanomaly
91, 1.871, 74.887

Deuteranomaly
91, 6.689, 6.408

Tritanomaly
91, 5.250, 298.281

Monochromacy



Original Color
91, 1.707, 134.727

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 0.507, 109.996

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 1.707, 134.727 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(228, 230, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 230, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 1.707, 134.727 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, 227) }
```

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

```
.border{ border-color:rgb(228, 230, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 230, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 230, 227);  
box-shadow:4px 4px 4px 4px rgb(228, 230,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 1.707, 134.727 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, 227) }
```

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

```
.background{ background-color: rgb(228,  
230, 227) }
```

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