

Converting Colors

CIELCh(91, 4.400, 131.821)

Have a look what the booklet for
CIELCh(91, 4.400, 131.821) contains.

| | |
|--|----|
| CIELCh(91, 4.520, 133.209) | 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, 4.520, 133.209)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E2E7DF |
| RGB | 226, 231, 223 |
| RGB Percent | 89%, 91%, 87% |
| CMY | 0.1146, 0.0949, 0.1263 |
| CMYK | 0.02, 0.00, 0.03, 0.09 |
| HSL | 98°, 14%, 89% |
| HSV | 98°, 3%, 91% |
| XYZ | 73.1045, 78.4833, 80.9582 |
| YIQ | 228.5930, -0.4120, -3.5480 |

Conversions

Conversions Part 2

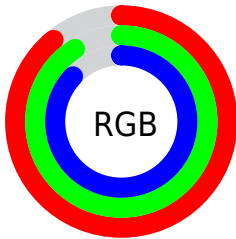
| Format | Color |
|-------------------------------------|--|
| RYB | 223, 231, 228 |
| Decimal | 14870495 |
| CIELab | 91.00, -3.09, 3.29 |
| CIELCh | 91, 4.520, 133.209 |
| Yxy | 78.4833, 0.3144, 0.3375 |
| Android (android.graphics.Color) | 4293060575 (0xFFE2E7DF) |
| YUV | 228.5930, -2.7573, -2.2741 |
| Hunter-Lab | 88.5908, -7.7370, 7.8318 |

Details

The CIELCh color $91, 4.520, 133.209$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $89, 4.557, 313.423$, 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 $71, 4.111, 131.392$ is the 20% darker color. If you saturate the color by 10%, you get $89, 17.655, 132.747$, and if you desaturate by 10%, it is $93, 8.505, 313.552$.

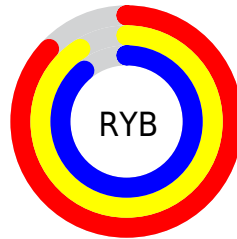
Distribution



Red (89%)

Green (91%)

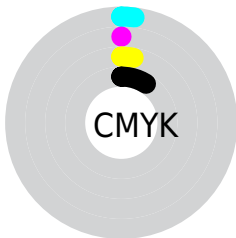
Blue (87%)



Red (87%)

Yellow (91%)

Blue (89%)

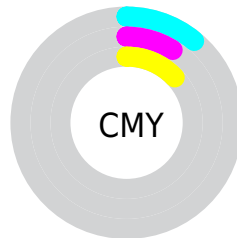


Cyan (2%)

Magenta (0%)

Yellow (3%)

Black (9%)



Cyan (11%)

Magenta (9%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 4.520, 133.209 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, 4.520, 133.209 by changing the saturation by 10% instead.

■ 91, 4.520, 133.209

■ 91, 4.520, 133.209

■ 100, 4.520,
133.209

■ 81, 4.520, 133.209

■ 71, 4.520, 133.209

■ 61, 4.520, 133.209

■ 51, 4.520, 133.209

■ 41, 4.520, 133.209

■ 31, 4.520, 133.209

■ 21, 4.520, 133.209

■ 11, 4.520, 133.209

■ 1, 4.520, 133.209

91, 4.520, 133.209

91, 4.520, 133.209

89, 17.655,
132.747

93, 8.505, 313.552

88, 30.800,
132.265

94, 15.054,
324.551

87, 43.827,
131.758

94, 15.122,
324.946

86, 56.552,
131.249

84, 68.712,
130.782

84, 79.941,
130.427

83, 89.747,
130.290

82, 97.558,
130.503

■ 82, 102.920,
131.175

Harmonies

Complementary

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



91, 4.520, 133.209



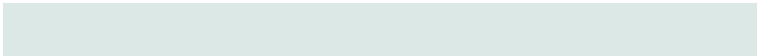
89, 4.557, 313.423

Rectangle

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



91, 4.520, 133.209



91, 4.520, 183.209



91, 4.520, 313.209



91, 4.520, 3.209

Sweetspot

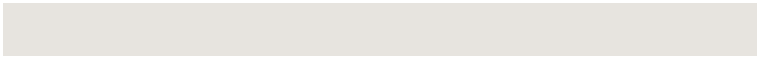
The Sweet Spot groups the original color and five complimentary colors.



91, 4.522, 133.216



100, 1.405, 133.414



91, 2.765, 86.372



53, 0.798, 133.423



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, 4.522, 133.216



99, 5.660, 133.187



91, 4.666, 147.647



48, 3.691, 133.152



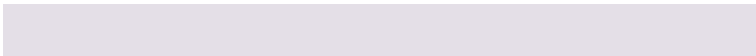
64, 86.627, 131.549



18, 33.530, 131.468

Inverse Universe

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



89, 4.557, 313.423



97, 5.702, 313.451



90, 4.686, 327.918



47, 3.719, 313.486



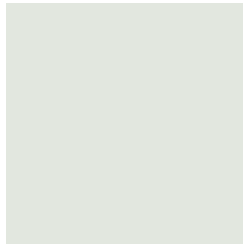
31, 92.959, 315.141



5, 36.365, 315.493

Previews

White Background



This preview shows how the CIELCh color 91, 4.520, 133.209 looks on a white background.

Color Contrast Check

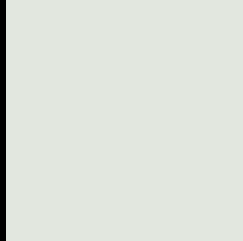
Large Text (above 18pt) WCAG AA × Fail

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, 4.520, 133.209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

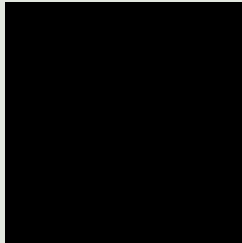
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

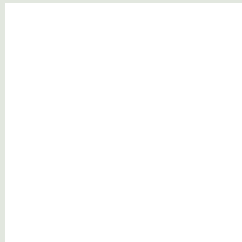
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 4.520, 133.209

Background



This preview shows how black text looks on a background with the CIELCh color 91, 4.520, 133.209.

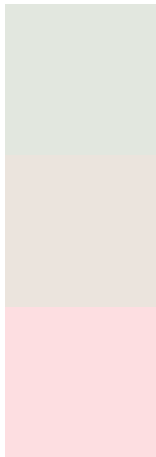


This preview shows how white text looks on a background with the CIELCh color 91, 4.520, 133.209.

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, 4.520, 133.209

Protanopia

91, 4.399, 74.600

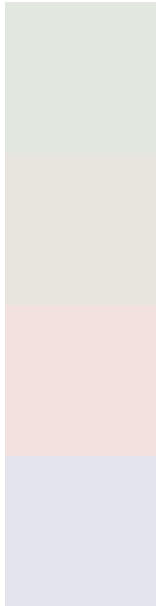
Deuteranopia

91, 11.425, 12.414



Tritanopia
91, 9.384, 295.158

Trichromacy



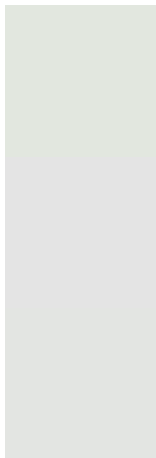
Original Color
91, 4.520, 133.209

Protanomaly
91, 3.760, 93.112

Deuteranomaly
91, 6.556, 24.281

Tritanomaly
91, 4.675, 290.568

Monochromacy



Original Color
91, 4.520, 133.209

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 1.708, 134.727

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 4.520, 133.209 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(226, 231, 223)` looks like.

```
.text, #text, p{  
    color:rgb(226, 231, 223)  
}
```

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(226, 231, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 231, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 4.520, 133.209 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(226, 231, 223) }
```

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

```
.border{ border-color:rgb(226, 231, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 231, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 231, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 231, 223);  
box-shadow:4px 4px 4px 4px rgb(226, 231,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 4.520, 133.209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 231, 223) }
```

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

```
.background{ background-color: rgb(226,  
231, 223) }
```

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