

Converting Colors

CIELCh(90, 4.607, 131.615)

Have a look what the booklet for
CIELCh(90, 4.607, 131.615) contains.

CIELCh(90, 4.531, 133.207)	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(90, 4.531, 133.207)

Conversions

Conversions Part 1

Format	Color
Hex	DFE4DC
RGB	223, 228, 220
RGB Percent	87%, 89%, 86%
CMY	0.1257, 0.1061, 0.1374
CMYK	0.02, 0.00, 0.04, 0.11
HSL	98°, 13%, 88%
HSV	98°, 4%, 89%
XYZ	71.0569, 76.3034, 78.6583
YIQ	225.5930, -0.4120, -3.5480

Conversions

Conversions Part 2

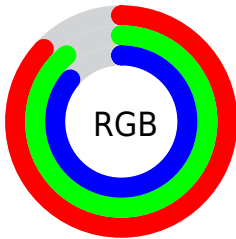
Format	Color
R _Y B	220, 228, 225
Decimal	14673116
CIE Lab	90.00, -3.10, 3.30
CIE LCh	90, 4.531, 133.207
Yxy	76.3034, 0.3144, 0.3376
Android (android.graphics.Color)	4292863196 (0xFFDFE4DC)
YUV	225.5930, -2.7573, -2.2741
Hunter-Lab	87.3518, -7.6637, 7.7570

Details

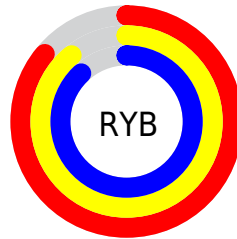
The CIELCh color $90, 4.531, 133.207$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $88, 4.568, 313.425$, and the grayscale version is $90, 0.011, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $70, 4.776, 133.154$ is the 20% darker color. If you saturate the color by 10%, you get $88, 17.535, 132.746$, and if you desaturate by 10%, it is $92, 8.364, 313.550$.

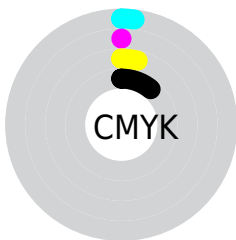
Distribution



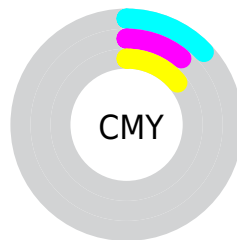
- Red (87%)
- Green (89%)
- Blue (86%)



- Red (86%)
- Yellow (89%)
- Blue (88%)



- Cyan (2%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)



- Cyan (13%)
- Magenta (11%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 4.531, 133.207 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 90, 4.531, 133.207 by changing the saturation by 10% instead.

■ 90, 4.531, 133.207

■ 90, 4.531, 133.207

■ 100, 4.531,
133.207

■ 80, 4.531, 133.207

■ 70, 4.531, 133.207

■ 60, 4.531, 133.207

■ 50, 4.531, 133.207

■ 40, 4.531, 133.207

■ 30, 4.531, 133.207

■ 20, 4.531, 133.207

■ 10, 4.531, 133.207

■ 0, 4.531, 133.207

90, 4.531, 133.207

90, 4.531, 133.207

88, 17.535,
132.746

92, 8.364, 313.550

87, 30.548,
132.264

93, 16.251,
321.317

86, 43.445,
131.757

93, 16.906,
325.010

85, 56.042,
131.249

84, 68.080,
130.781

83, 79.197,
130.427

82, 88.906,
130.290

81, 96.642,
130.503

■ 81, 101.956,
131.173

Harmonies

Complementary

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



90, 4.531, 133.207



88, 4.568, 313.425

Rectangle

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



90, 4.531, 133.207



90, 4.531, 183.207



90, 4.531, 313.207



90, 4.531, 3.207

Sweetspot

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



90, 4.533, 133.214



100, 1.405, 133.414



90, 2.772, 86.368



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.



90, 4.533, 133.214



99, 5.660, 133.187



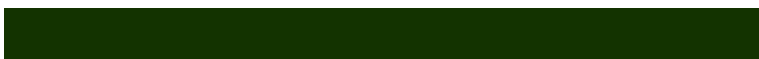
90, 4.677, 147.643



48, 3.691, 133.153



64, 86.627, 131.549



18, 33.530, 131.468

Inverse Universe

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



88, 4.568, 313.425



97, 5.702, 313.451



89, 4.697, 327.921



47, 3.719, 313.486



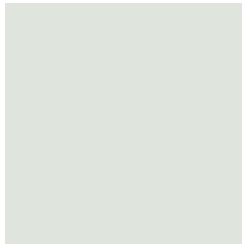
31, 92.959, 315.141



5, 36.365, 315.493

Previews

White Background



This preview shows how the CIELCh color 90, 4.531, 133.207 looks on a white background.

Color Contrast Check

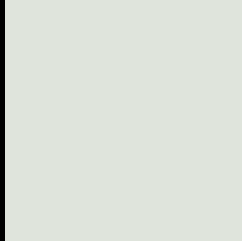
Large Text (above 18pt) WCAG AA × Fail

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 90, 4.531, 133.207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

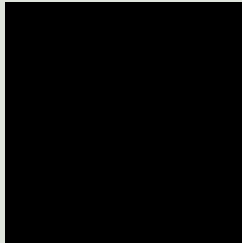
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

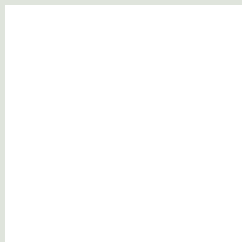
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 4.531, 133.207

Background



This preview shows how black text looks on a background with the CIELCh color 90, 4.531, 133.207.

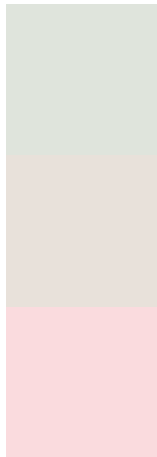


This preview shows how white text looks on a background with the CIELCh color 90, 4.531, 133.207.

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

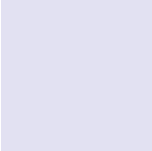
90, 4.531, 133.207

Protanopia

90, 4.410, 74.592

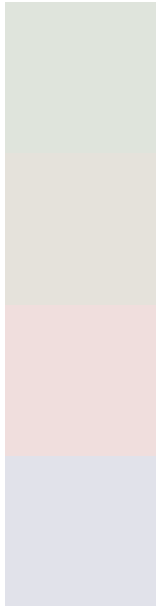
Deuteranopia

90, 11.456, 12.428



Tritanopia
90, 8.856, 293.141

Trichromacy



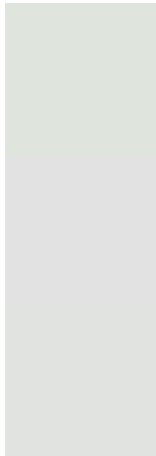
Original Color
90, 4.531, 133.207

Protanomaly
90, 3.770, 93.106

Deuteranomaly
90, 6.574, 24.287

Tritanomaly
90, 4.173, 285.702

Monochromacy



Original Color
90, 4.531, 133.207

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 1.711, 134.725

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 4.531, 133.207 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(223, 228, 220)` looks like.

```
.text, #text, p{  
    color:rgb(223, 228, 220)  
}
```

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(223, 228, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 228, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 4.531, 133.207 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(223, 228, 220) }
```

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

```
.border{ border-color:rgb(223, 228, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 228, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(223, 228, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(223, 228, 220); box-shadow:4px 4px 4px 4px rgb(223, 228, 220) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 4.531, 133.207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 228, 220) }
```

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

```
.background{ background-color: rgb(223,  
228, 220) }
```

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