

Converting Colors

CIELCh(90, 28.905, 133.751)

Have a look what the booklet for
CIELCh(90, 28.905, 133.751)
contains.

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Color

CIELCh(90, 28.595, 133.502)

Conversions

Conversions Part 1

Format	Color
Hex	CBECBA
RGB	203, 236, 186
RGB Percent	80%, 93%, 73%
CMY	0.2036, 0.0741, 0.2702
CMYK	0.14, 0.00, 0.21, 0.07
HSL	100°, 57%, 83%
HSV	100°, 21%, 93%
XYZ	63.5485, 76.3034, 57.8834
YIQ	220.4330, -3.6180, -22.5460

Conversions

Conversions Part 2

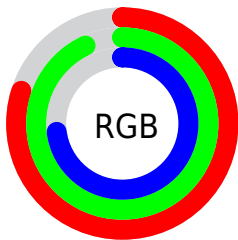
Format	Color
R _{YB}	186, 236, 219
Decimal	13364410
CIE _{Lab}	90.00, -19.68, 20.74
CIE _{LCh}	90, 28.595, 133.502
Y _{xy}	76.3034, 0.3214, 0.3859
Android (android.graphics.Color)	4291554490 (0xFFCBECBA)
YUV	220.4330, -16.9755, -15.2887
Hunter-Lab	87.3518, -23.0066, 21.8579

Details

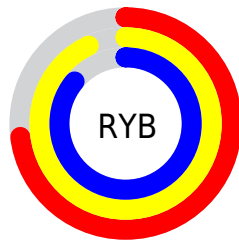
The CIELCh color **90, 28.595, 133.502** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **80, 29.133, 315.357**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 6.580, 109.674**, and **70, 28.449, 133.931** is the 20% darker color. If you saturate the color by 10%, you get **89, 42.051, 132.987**, and if you desaturate by 10%, it is **92, 15.062, 133.987**.

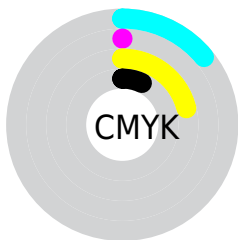
Distribution



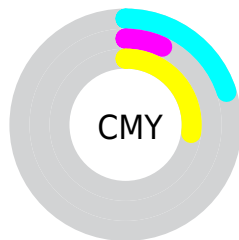
- Red (80%)
- Green (93%)
- Blue (73%)



- Red (73%)
- Yellow (93%)
- Blue (86%)



- Cyan (14%)
- Magenta (0%)
- Yellow (21%)
- Black (7%)





- Cyan (20%)
- Magenta (7%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 28.595, 133.502 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, 28.595, 133.502 by changing the saturation by 10% instead.


 90, 28.595,
133.502


 90, 28.595,
133.502


 100, 28.595,
133.502


 80, 28.595,
133.502

 70, 28.595,
133.502

 60, 28.595,
133.502


 50, 28.595,
133.502

 40, 28.595,
133.502


 30, 28.595,
133.502

 20, 28.595,


133.502


 10, 28.595,
133.502


 0, 28.595, 133.502

 90, 28.595,
133.502


 90, 28.595,
133.502


 89, 42.051,
132.987


 92, 15.062,
133.987


 87, 55.242,
132.454

 93, 1.574, 134.529

 86, 67.917,
131.942

 95, 10.884,
316.881

 85, 79.719,
131.514

 95, 11.793,
324.825

■ 84, 90.166,
131.268

■ 84, 98.676,
131.333

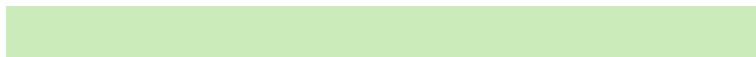
■ 83, 104.725,
131.828

■ 83, 108.097,
132.577

Harmonies

Complementary

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



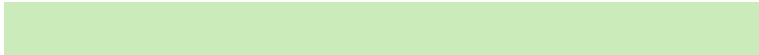
90, 28.595, 133.502



80, 29.133, 315.357

Rectangle

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



90, 28.595, 133.502



90, 28.595, 183.502



90, 28.595, 313.502



90, 28.595, 3.502

Sweetspot

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



90, 28.597, 133.503



99, 8.582, 134.227



88, 18.202, 87.038



53, 5.695, 134.197



0, 0.000, 0.000



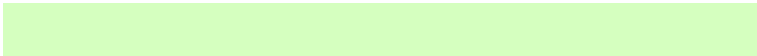
53, 0.007, 296.813

Same Dimension

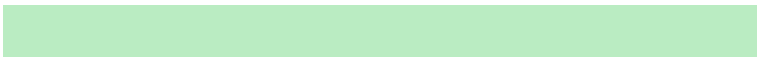
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 28.597, 133.503



96, 35.928, 133.304



89, 28.644, 147.380



48, 7.608, 134.067



65, 88.357, 132.344



19, 35.345, 132.028

Inverse Universe

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



80, 29.133, 315.357



83, 36.727, 315.533



81, 28.720, 330.122



46, 7.679, 314.836



32, 93.297, 316.148



6, 38.377, 317.014

Previews

White Background



This preview shows how the CIE LCh color 90, 28.595, 133.502 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 CIELCh color 90, 28.595, 133.502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

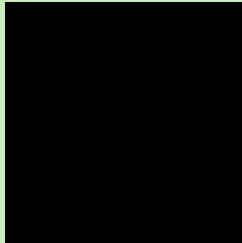
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

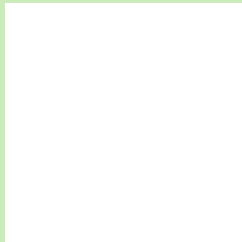
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 28.595, 133.502

Background



This preview shows how black text looks on a background with the CIELCh color 90, 28.595, 133.502.

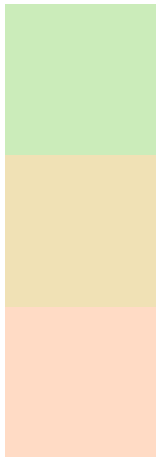


This preview shows how white text looks on a background with the CIELCh color 90, 28.595, 133.502.

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, 28.595, 133.502

Protanopia
90, 23.469, 93.939

Deuteranopia
90, 17.967, 59.192



Tritanopia
90, 10.698, 260.489

Trichromacy



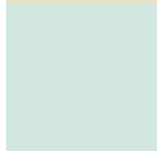
Original Color
90, 28.595, 133.502



Protanomaly
90, 23.707, 110.077



Deuteranomaly
90, 17.070, 94.628

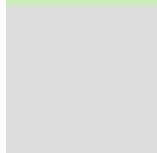


Tritanomaly
90, 8.614, 173.892

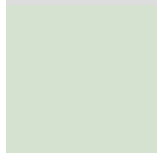
Monochromacy



Original Color
90, 28.595, 133.502



Achromatopsia
88, 0.010, 296.813



Achromatomaly
89, 10.360, 134.351

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 28.595, 133.502 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(203, 236, 186)` looks like.

```
.text, #text, p{  
    color:rgb(203, 236, 186)  
}
```

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(203, 236, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 236, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 28.595, 133.502 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(203, 236, 186) }
```

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

```
.border{ border-color:rgb(203, 236, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 236, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 236, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 236, 186); box-shadow:4px 4px 4px 4px rgb(203, 236, 186) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 28.595, 133.502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 236, 186) }
```

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

```
.background{ background-color: rgb(203,  
236, 186) }
```

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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