

Converting Colors

CIELCh(90, 31.287, 128.264)

Have a look what the booklet for
CIELCh(90, 31.287, 128.264)
contains.

CIELCh(90, 31.287, 128.264)	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, 31.287, 128.264)

Conversions

Conversions Part 1

Format	Color
Hex	CFE CB3
RGB	207, 236, 179
RGB Percent	81%, 93%, 70%
CMY	0.1893, 0.0756, 0.2991
CMYK	0.12, 0.00, 0.24, 0.08
HSL	91°, 60%, 81%
HSV	91°, 24%, 92%
XYZ	63.6832, 76.3034, 53.8807
YIQ	220.8310, 1.0130, -23.8750

Conversions

Conversions Part 2

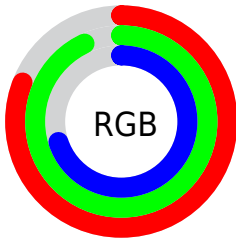
Format	Color
RYB	179, 236, 208
Decimal	13626547
CIELab	90.00, -19.38, 24.57
CIELCh	90, 31.287, 128.264
Yxy	76.3034, 0.3285, 0.3936
Android (android.graphics.Color)	4291816627 (0xFFCFECB3)
YUV	220.8310, -20.6227, -12.1298
Hunter-Lab	87.3518, -22.7315, 24.5748

Details

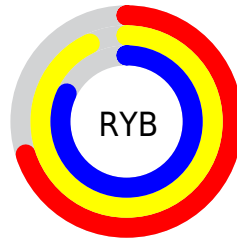
The CIELCh color **90, 31.287, 128.264** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77, 32.332, 310.523**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 10.124, 109.411**, and **70, 31.216, 128.346** is the 20% darker color. If you saturate the color by 10%, you get **89, 44.076, 127.776**, and if you desaturate by 10%, it is **91, 18.353, 128.749**.

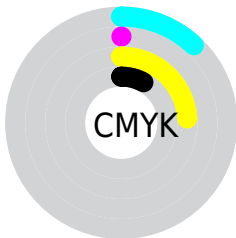
Distribution



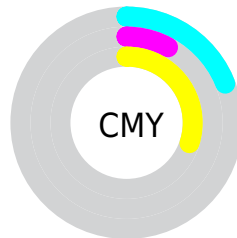
- Red (81%)
- Green (93%)
- Blue (70%)



- Red (70%)
- Yellow (93%)
- Blue (82%)



- Cyan (12%)
- Magenta (0%)
- Yellow (24%)
- Black (8%)





- Cyan (19%)
- Magenta (8%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 31.287, 128.264 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, 31.287, 128.264 by changing the saturation by 10% instead.


 90, 31.287,
128.264


 90, 31.287,
128.264


 100, 31.287,
128.264


 80, 31.287,
128.264

 70, 31.287,
128.264

 60, 31.287,
128.264

 50, 31.287,
128.264

 40, 31.287,
128.264

 30, 31.287,
128.264

 20, 31.287,

128.264

■ 10, 31.287,
128.264

■ 0, 31.287, 128.264

■ 90, 31.287,
128.264

■ 90, 31.287,
128.264

■ 89, 44.076,
127.776

■ 91, 18.353,
128.749

■ 88, 56.537,
127.307

■ 93, 5.389, 129.222

■ 87, 68.414,
126.908

■ 94, 7.515, 309.601

■ 86, 79.341,
126.654

■ 95, 11.968,
324.430

■ 95, 12.024,
324.834

■ 85, 88.822,
126.653

■ 85, 96.290,
127.038

■ 84, 101.325,
127.913

■ 84, 103.346,
128.587

Harmonies

Complementary

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



90, 31.287, 128.264



77, 32.332, 310.523

Rectangle

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



90, 31.287, 128.264



90, 31.287, 178.264



90, 31.287, 308.264



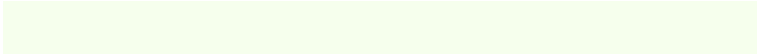
90, 31.287, 358.264

Sweetspot

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



90, 31.289, 128.266



99, 9.642, 129.085



85, 18.695, 72.400



53, 6.267, 129.057



0, 0.000, 0.000



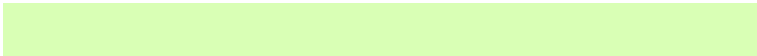
53, 0.007, 296.813

Same Dimension

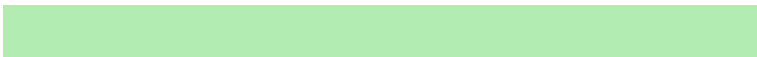
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 31.289, 128.266



96, 39.950, 128.023



88, 36.263, 142.824



49, 7.319, 128.971



66, 84.576, 128.310



19, 33.822, 127.561

Inverse Universe

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



77, 32.332, 310.523



79, 41.582, 310.784



80, 36.277, 325.761



46, 7.419, 309.789



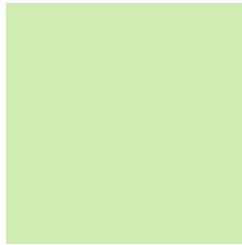
28, 96.292, 312.117



5, 37.723, 311.910

Previews

White Background



This preview shows how the CIELCh color 90, 31.287, 128.264 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, 31.287, 128.264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

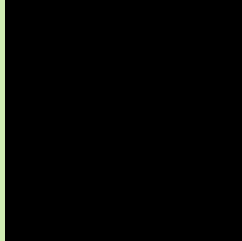
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

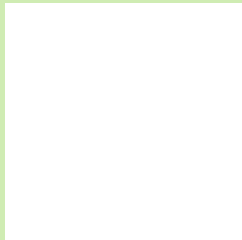
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 31.287, 128.264

Background



This preview shows how black text looks on a background with the CIELCh color 90, 31.287, 128.264.

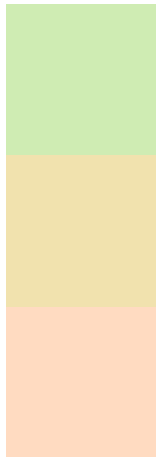


This preview shows how white text looks on a background with the CIELCh color 90, 31.287, 128.264.

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](#).

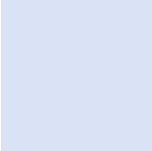
Dichromacy



Original Color
90, 31.287, 128.264

Protanopia
90, 27.450, 95.598

Deuteranopia
90, 19.434, 63.580

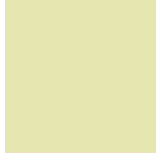


Tritanopia
90, 9.890, 270.749

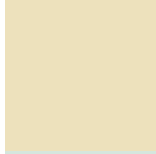
Trichromacy



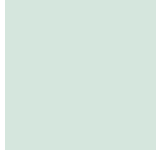
Original Color
90, 31.287, 128.264



Protanomaly
90, 27.747, 108.696



Deuteranomaly
90, 19.675, 95.074

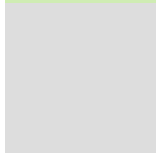


Tritanomaly
90, 7.692, 161.557

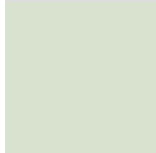
Monochromacy



Original Color
90, 31.287, 128.264



Achromatopsia
88, 0.010, 296.813



Achromatomaly
89, 11.037, 128.689

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 31.287, 128.264 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(207, 236, 179)` looks like.

```
.text, #text, p{  
    color:rgb(207, 236, 179)  
}
```

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(207, 236, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 236, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 31.287, 128.264 is called "border". The border property can be set on classes, ids or directly on the HTML element.

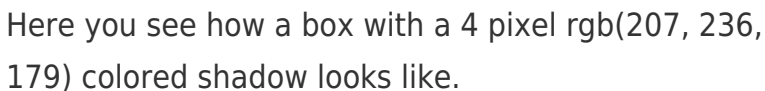
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 236, 179) }
```

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

```
.border{ border-color:rgb(207, 236, 179) }
```

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



Here you see how a box with a 4 pixel `rgb(207, 236, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 236, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 236, 179);  
box-shadow:4px 4px 4px 4px rgb(207, 236,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 31.287, 128.264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 236, 179) }
```

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

```
.background{ background-color: rgb(207,  
236, 179) }
```

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