

Converting Colors

CIELCh(90, 31.712, 131.416)

Have a look what the booklet for
CIELCh(90, 31.712, 131.416)
contains.

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Color

CIELCh(90, 31.994, 131.285)

Conversions

Conversions Part 1

Format	Color
Hex	CBEDB4
RGB	203, 237, 180
RGB Percent	80%, 93%, 71%
CMY	0.2052, 0.0719, 0.2954
CMYK	0.14, 0.00, 0.24, 0.07
HSL	96°, 61%, 82%
HSV	96°, 24%, 93%
XYZ	62.9289, 76.3034, 54.4179
YIQ	220.3360, -1.9670, -24.9350

Conversions

Conversions Part 2

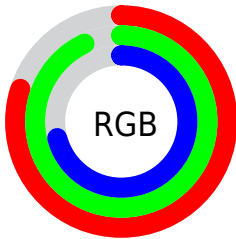
Format	Color
RYB	180, 237, 214
Decimal	13364660
CIELab	90.00, -21.11, 24.04
CIELCh	90, 31.994, 131.285
Yxy	76.3034, 0.3250, 0.3940
Android (android.graphics.Color)	4291554740 (0xFFCBE4B4)
YUV	220.3360, -19.8856, -15.2037
Hunter-Lab	87.3518, -24.2728, 24.2101

Details

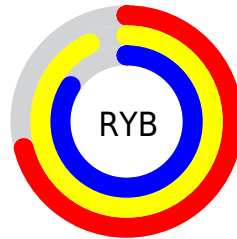
The CIELCh color **90, 31.994, 131.285** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78, 32.836, 313.426**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 9.618, 109.449**, and **70, 31.981, 131.506** is the 20% darker color. If you saturate the color by 10%, you get **89, 45.162, 130.787**, and if you desaturate by 10%, it is **91, 18.696, 131.767**.

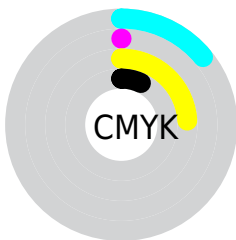
Distribution



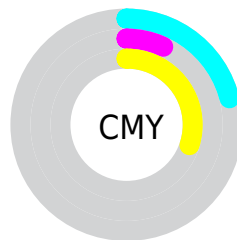
- Red (80%)
- Green (93%)
- Blue (71%)



- Red (71%)
- Yellow (93%)
- Blue (84%)



- Cyan (14%)
- Magenta (0%)
- Yellow (24%)
- Black (7%)



- Cyan (21%)
- Magenta (7%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 31.994, 131.285 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, 31.994, 131.285 by changing the saturation by 10% instead.

■ 90, 31.994,
131.285

■ 90, 31.994,
131.285

■ 100, 31.994,
131.285

■ 80, 31.994,
131.285

■ 70, 31.994,
131.285

■ 60, 31.994,
131.285

■ 50, 31.994,
131.285

■ 40, 31.994,
131.285

■ 30, 31.994,
131.285

■ 20, 31.994,

131.285

■ 10, 31.994,
131.285

■ 0, 31.994, 131.285

■ 90, 31.994,
131.285

■ 90, 31.994,
131.285

■ 89, 45.162,
130.787

■ 91, 18.696,
131.767

■ 88, 58.006,
130.294

■ 93, 5.394, 132.231

■ 86, 70.259,
129.853

■ 95, 7.816, 312.580

■ 96, 11.438,
324.812

■ 86, 81.541,
129.538

■ 85, 91.345,
129.459

■ 84, 99.093,
129.748

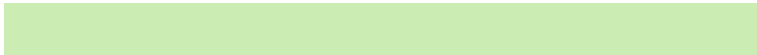
■ 84, 104.346,
130.510

■ 83, 106.475,
131.117

Harmonies

Complementary

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



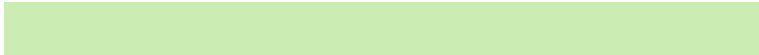
90, 31.994, 131.285



78, 32.836, 313.426

Rectangle

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



90, 31.994, 131.285



90, 31.994, 181.285



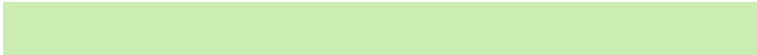
90, 31.994, 311.285



90, 31.994, 1.285

Sweetspot

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



90, 31.996, 131.286



99, 9.851, 132.092



86, 19.707, 80.722



53, 6.403, 132.064



0, 0.000, 0.000



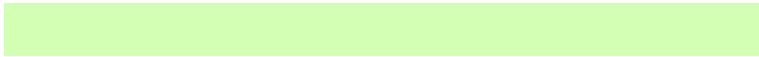
53, 0.007, 296.813

Same Dimension

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



90, 31.996, 131.286



95, 40.901, 131.036



89, 34.218, 145.119



48, 7.480, 131.980



65, 86.864, 130.857



19, 34.716, 130.320

Inverse Universe

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



78, 32.836, 313.426



80, 42.213, 313.664



80, 34.259, 328.158



46, 7.563, 312.755



31, 94.508, 314.331



5, 38.135, 314.874

Previews

White Background



This preview shows how the CIELCh color 90, 31.994, 131.285 looks on a white background.

Color Contrast Check

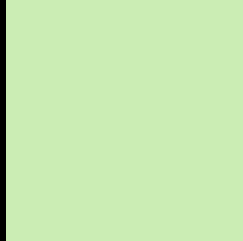
Large Text (above 18pt) WCAG AA × Fail

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, 31.994, 131.285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

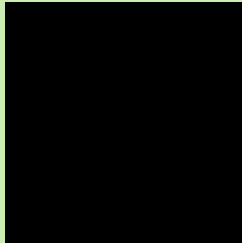
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

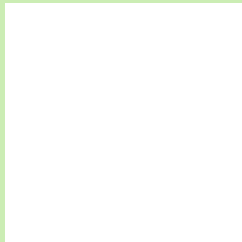
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 31.994, 131.285

Background



This preview shows how black text looks on a background with the CIELCh color 90, 31.994, 131.285.

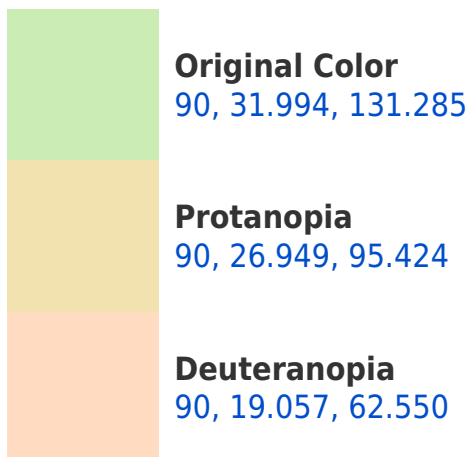


This preview shows how white text looks on a background with the CIELCh color 90, 31.994, 131.285.

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





Tritanopia
90, 10.541, 262.075

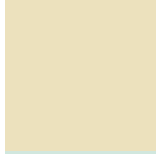
Trichromacy



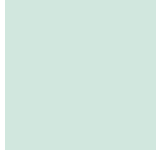
Original Color
90, 31.994, 131.285



Protanomaly
90, 27.267, 110.370



Deuteranomaly
90, 19.083, 95.900

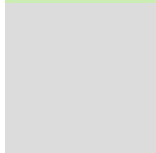


Tritanomaly
90, 9.138, 168.060

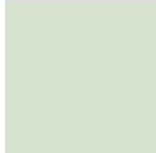
Monochromacy



Original Color
90, 31.994, 131.285



Achromatopsia
88, 0.010, 296.813



Achromatomaly
88, 11.792, 131.142

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 31.994, 131.285 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, 237, 180)` looks like.

```
.text, #text, p{  
    color:rgb(203, 237, 180)  
}
```

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, 237, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 237, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 31.994, 131.285 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, 237, 180) }
```

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

```
.border{ border-color:rgb(203, 237, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 237, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 237, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 237, 180);  
box-shadow:4px 4px 4px 4px rgb(203, 237,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 31.994, 131.285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 237, 180) }
```

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

```
.background{ background-color: rgb(203,  
237, 180) }
```

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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