

Converting Colors

CIELCh(88, 30.651, 132.981)

Have a look what the booklet for
CIELCh(88, 30.651, 132.981)
contains.

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Color

CIELCh(88, 30.904, 133.013)

Conversions

Conversions Part 1

Format	Color
Hex	C4E7B1
RGB	196, 231, 177
RGB Percent	77%, 91%, 69%
CMY	0.2314, 0.0941, 0.3059
CMYK	0.15, 0.00, 0.23, 0.09
HSL	99°, 53%, 80%
HSV	99°, 23%, 91%
XYZ	59.2795, 72.0653, 52.3827
YIQ	214.3790, -3.5260, -24.2140

Conversions

Conversions Part 2

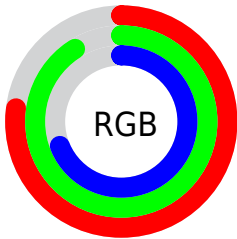
Format	Color
RYB	177, 231, 212
Decimal	12904369
CIELab	88.00, -21.08, 22.60
CIELCh	88, 30.904, 133.013
Yxy	72.0653, 0.3226, 0.3922
Android (android.graphics.Color)	4291094449 (0xFFC4E7B1)
YUV	214.3790, -18.4278, -16.1184
Hunter-Lab	84.8913, -23.9133, 22.8386

Details

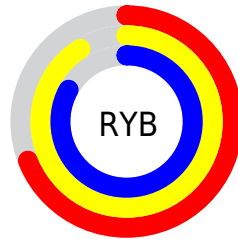
The CIELCh color **88, 30.904, 133.013** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77, 31.571, 315.072**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 11.167, 113.034**, and **68, 30.714, 132.710** is the 20% darker color. If you saturate the color by 10%, you get **87, 44.037, 132.498**, and if you desaturate by 10%, it is **89, 17.661, 133.502**.

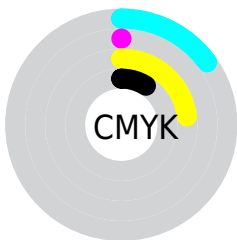
Distribution



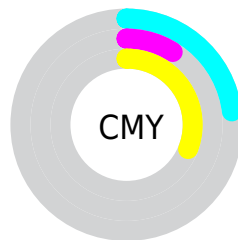
- Red (77%)
- Green (91%)
- Blue (69%)



- Red (69%)
- Yellow (91%)
- Blue (83%)



- Cyan (15%)
- Magenta (0%)
- Yellow (23%)
- Black (9%)





- Cyan (23%)
- Magenta (9%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 30.904, 133.013 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 88, 30.904, 133.013 by changing the saturation by 10% instead.


 88, 30.904,
133.013


 88, 30.904,
133.013


 100, 30.904,
133.013


 78, 30.904,
133.013

 68, 30.904,
133.013

 58, 30.904,
133.013

 48, 30.904,
133.013

 38, 30.904,
133.013


 28, 30.904,
133.013


 18, 30.904,

133.013


 8, 30.904, 133.013


 0, 30.904, 133.013

 88, 30.904,
133.013

 88, 30.904,
133.013

 87, 44.037,
132.498


 89, 17.661,
133.502


 85, 56.866,
131.975

 91, 4.434, 133.974

 93, 8.677, 314.306

 84, 69.126,
131.487

 94, 14.986,
324.941

 83, 80.446,
131.104

 83, 90.330,

130.931

■ 82, 98.203,
131.100

■ 82, 103.604,
131.719

■ 81, 105.995,
132.309

Harmonies

Complementary

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



88, 30.904, 133.013



77, 31.571, 315.072

Rectangle

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



88, 30.904, 133.013



88, 30.904, 183.013



88, 30.904, 313.013



88, 30.904, 3.013

Sweetspot

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



88, 30.906, 133.014



99, 9.986, 133.796



85, 19.506, 85.331



53, 6.491, 133.768



0, 0.000, 0.000



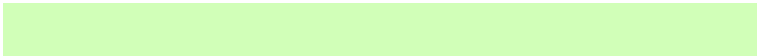
53, 0.007, 296.813

Same Dimension

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



88, 30.906, 133.014



95, 40.086, 132.771



87, 31.441, 146.677



47, 7.448, 133.685



64, 87.154, 132.074



18, 33.751, 132.081

Inverse Universe

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



77, 31.571, 315.072



81, 41.130, 315.288



78, 31.511, 329.703



45, 7.519, 314.450



32, 92.530, 315.806



5, 36.488, 316.305

Previews

White Background



This preview shows how the CIELCh color 88, 30.904, 133.013 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 88, 30.904, 133.013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

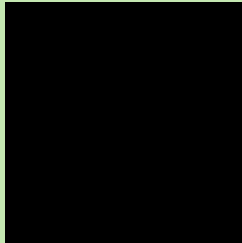
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

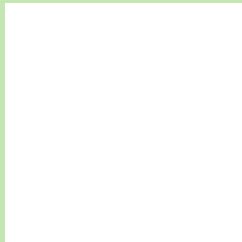
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 30.904, 133.013

Background



This preview shows how black text looks on a background with the CIELCh color 88, 30.904, 133.013.

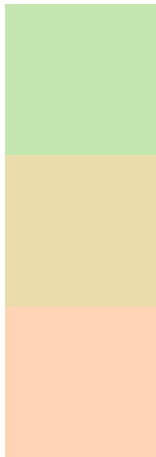


This preview shows how white text looks on a background with the CIELCh color 88, 30.904, 133.013.

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
88, 30.904, 133.013

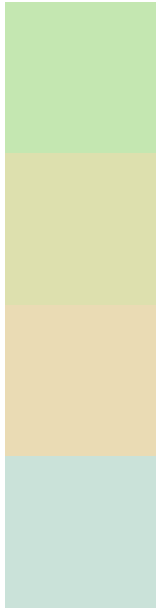
Protanopia
88, 25.576, 94.774

Deuteranopia
88, 23.536, 63.040



Tritanopia
88, 10.471, 257.393

Trichromacy



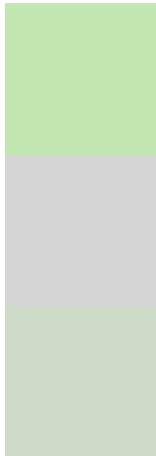
Original Color
88, 30.904, 133.013

Protanomaly
88, 25.865, 110.582

Deuteranomaly
88, 21.084, 92.452

Tritanomaly
88, 9.779, 170.059

Monochromacy



Original Color
88, 30.904, 133.013

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 11.048, 134.882

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 30.904, 133.013 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(196, 231, 177)` looks like.

```
.text, #text, p{  
    color:rgb(196, 231, 177)  
}
```

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(196, 231, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 231, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 30.904, 133.013 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(196, 231, 177) }
```

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

```
.border{ border-color:rgb(196, 231, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 231, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 231, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 231, 177);  
box-shadow:4px 4px 4px 4px rgb(196, 231,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 30.904, 133.013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 231, 177) }
```

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

```
.background{ background-color: rgb(196,  
231, 177) }
```

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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