

Converting Colors

CIELCh(88, 33.345, 120.889)

Have a look what the booklet for
CIELCh(88, 33.345, 120.889)
contains.

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Color

CIELCh(88, 33.319, 120.895)

Conversions

Conversions Part 1

Format	Color
Hex	D1E5A6
RGB	209, 229, 166
RGB Percent	82%, 90%, 65%
CMY	0.1819, 0.1034, 0.3504
CMYK	0.09, 0.00, 0.28, 0.10
HSL	79°, 54%, 77%
HSV	79°, 28%, 90%
XYZ	60.9491, 72.0653, 46.5987
YIQ	215.8380, 8.3030, -23.8330

Conversions

Conversions Part 2

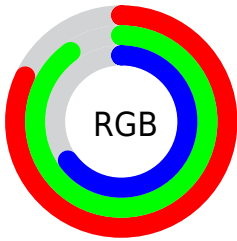
Format	Color
RYB	166, 229, 186
Decimal	13755814
CIELab	88.00, -17.11, 28.59
CIElCh	88, 33.319, 120.895
Yxy	72.0653, 0.3393, 0.4012
Android (android.graphics.Color)	4291945894 (0xFFD1E5A6)
YUV	215.8380, -24.5701, -5.9969
Hunter-Lab	84.8913, -20.4028, 26.8783

Details

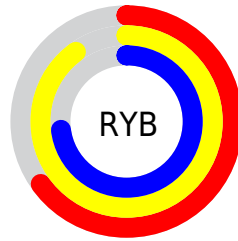
The CIELCh color **88, 33.319, 120.895** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **72, 35.159, 304.254**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 17.195, 108.877**, and **68, 33.377, 121.170** is the 20% darker color. If you saturate the color by 10%, you get **87, 45.111, 120.335**, and if you desaturate by 10%, it is **89, 21.298, 121.475**.

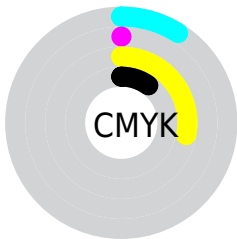
Distribution



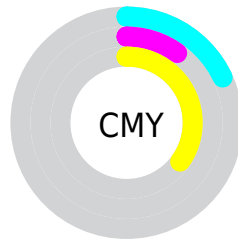
- Red (82%)
- Green (90%)
- Blue (65%)



- Red (65%)
- Yellow (90%)
- Blue (73%)



- Cyan (9%)
- Magenta (0%)
- Yellow (28%)
- Black (10%)



- Cyan (18%)
- Magenta (10%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 33.319, 120.895 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, 33.319, 120.895 by changing the saturation by 10% instead.

■ 88, 33.319,
120.895

■ 88, 33.319,
120.895

■ 100, 33.319,
120.895

■ 78, 33.319,
120.895

■ 68, 33.319,
120.895

■ 58, 33.319,
120.895

■ 48, 33.319,
120.895

■ 38, 33.319,
120.895


■ 28, 33.319,
120.895


■ 18, 33.319,


120.895

 8, 33.319, 120.895


 0, 33.319, 120.895

 88, 33.319,
120.895


 88, 33.319,
120.895

 87, 45.111,
120.335


 89, 21.298,
121.475


 86, 56.483,
119.824

 90, 9.167, 122.049


 86, 67.163,
119.417

 91, 2.988, 302.572

 85, 76.755,
119.194

 92, 14.056,
303.971

 84, 84.743,

 93, 14.825,
313.501

119.258

93, 15.960,
322.005

84, 90.594,
119.726

94, 16.487,
324.995

83, 94.079,
120.662

83, 94.753,
120.921

Harmonies

Complementary

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



88, 33.319, 120.895



72, 35.159, 304.254

Rectangle

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



88, 33.319, 120.895



88, 33.319, 170.895



88, 33.319, 300.895



88, 33.319, 350.895

Sweetspot

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



88, 33.321, 120.897



99, 10.615, 122.021



79, 20.320, 51.738



53, 7.544, 121.935



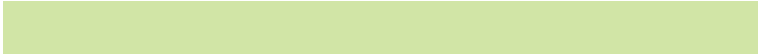
0, 0.000, 0.000



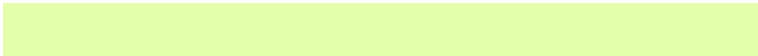
53, 0.007, 296.813

Same Dimension

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



88, 33.321, 120.897



96, 43.464, 120.576



86, 37.997, 137.840



48, 6.919, 121.940



67, 78.615, 120.680



19, 30.628, 120.207

Inverse Universe

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



72, 35.159, 304.254



75, 46.446, 304.697



75, 38.434, 320.546



44, 7.048, 303.003



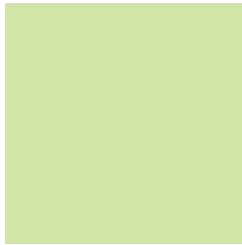
24, 99.029, 308.585



3, 34.559, 304.766

Previews

White Background



This preview shows how the CIELCh color 88, 33.319, 120.895 looks on a white background.

Color Contrast Check

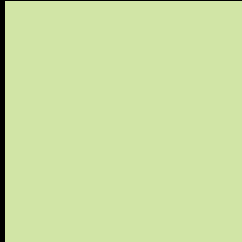
Large Text (above 18pt) WCAG AA × Fail

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 88, 33.319, 120.895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

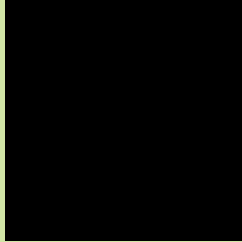
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

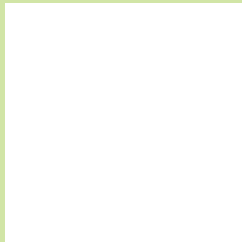
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 33.319, 120.895

Background



This preview shows how black text looks on a background with the CIELCh color 88, 33.319, 120.895.

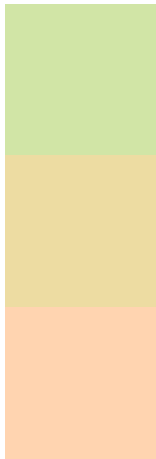


This preview shows how white text looks on a background with the CIELCh color 88, 33.319, 120.895.

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, 33.319, 120.895

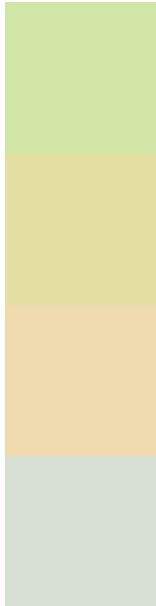
Protanopia
88, 30.774, 94.935

Deuteranopia
88, 25.515, 66.838



Tritanopia
88, 9.411, 290.960

Trichromacy



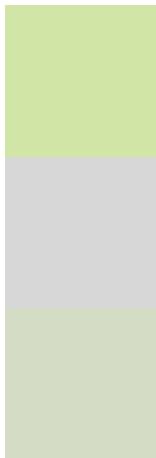
Original Color
88, 33.319, 120.895

Protanomaly
88, 30.981, 104.653

Deuteranomaly
88, 25.179, 89.947

Tritanomaly
88, 6.289, 133.508

Monochromacy



Original Color
88, 33.319, 120.895

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 12.281, 121.377

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 33.319, 120.895 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(209, 229, 166)` looks like.

```
.text, #text, p{  
    color:rgb(209, 229, 166)  
}
```

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(209, 229, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 229, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 33.319, 120.895 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(209, 229, 166) }
```

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

```
.border{ border-color:rgb(209, 229, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 229, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 229, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 229, 166);  
box-shadow:4px 4px 4px 4px rgb(209, 229,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 33.319, 120.895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 229, 166) }
```

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

```
.background{ background-color: rgb(209,  
229, 166) }
```

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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