

Converting Colors

CIELCh(88, 33.264, 120.225)

Have a look what the booklet for
CIELCh(88, 33.264, 120.225)
contains.

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Color

CIELCh(88, 33.251, 120.255)

Conversions

Conversions Part 1

Format	Color
Hex	D1E4A5
RGB	209, 228, 165
RGB Percent	82%, 89%, 65%
CMY	0.1788, 0.1042, 0.3514
CMYK	0.08, 0.00, 0.28, 0.10
HSL	78°, 54%, 77%
HSV	78°, 28%, 90%
XYZ	61.0996, 72.0653, 46.4777
YIQ	215.1370, 8.8990, -23.6210

Conversions

Conversions Part 2

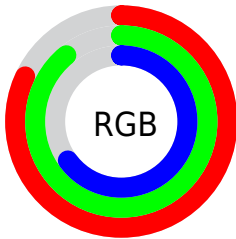
Format	Color
RYB	165, 228, 184
Decimal	13755557
CIELab	88.00, -16.75, 28.72
CIElCh	88, 33.251, 120.255
Yxy	72.0653, 0.3401, 0.4012
Android (android.graphics.Color)	4291945637 (0xFFD1E4A5)
YUV	215.1370, -24.7175, -5.3821
Hunter-Lab	84.8913, -20.0862, 26.9628

Details

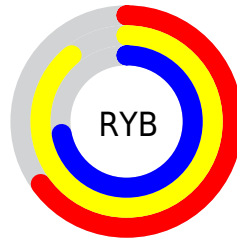
The CIELCh color **88, 33.251, 120.255** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **72, 35.132, 303.713**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 17.699, 108.839**, and **68, 33.302, 120.492** is the 20% darker color. If you saturate the color by 10%, you get **87, 44.993, 119.683**, and if you desaturate by 10%, it is **89, 21.277, 120.849**.

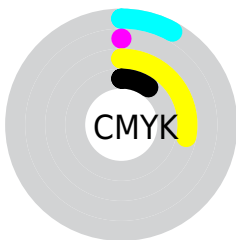
Distribution



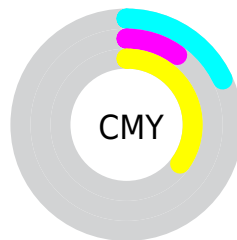
- Red (82%)
- Green (89%)
- Blue (65%)



- Red (65%)
- Yellow (89%)
- Blue (72%)



- Cyan (8%)
- Magenta (0%)
- Yellow (28%)
- Black (10%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 33.251, 120.255 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, 33.251, 120.255 by changing the saturation by 10% instead.


 88, 33.251,
120.255


 88, 33.251,
120.255


 100, 33.251,
120.255


 78, 33.251,
120.255

 68, 33.251,
120.255

 58, 33.251,
120.255

 48, 33.251,
120.255

 38, 33.251,
120.255


 28, 33.251,
120.255


 18, 33.251,

120.255

 8, 33.251, 120.255


 0, 33.251, 120.255

 88, 33.251,
120.255


 88, 33.251,
120.255

 87, 44.993,
119.683


 89, 21.277,
120.849


 86, 56.312,
119.159

 90, 9.188, 121.436


 86, 66.935,
118.741

 91, 2.929, 301.976

 85, 76.465,
118.504

 92, 14.119,
303.216

 85, 84.384,

 93, 14.810,
312.278

118.552

93, 15.834,
320.461

84, 90.161,
118.998

94, 16.610,
325.000

84, 93.570,
119.906

84, 94.216,
120.153

Harmonies

Complementary

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



88, 33.251, 120.255



72, 35.132, 303.713

Rectangle

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



88, 33.251, 120.255



88, 33.251, 170.255



88, 33.251, 300.255



88, 33.251, 350.255

Sweetspot

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



88, 33.253, 120.257



99, 10.588, 121.410



78, 20.414, 49.881



53, 7.525, 121.321



0, 0.000, 0.000



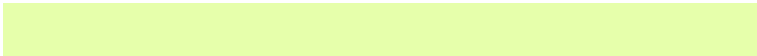
53, 0.007, 296.813

Same Dimension

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



88, 33.253, 120.257



96, 43.338, 119.931



86, 37.829, 137.370



48, 6.902, 121.327



67, 78.230, 119.919



19, 30.503, 119.471

Inverse Universe

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



72, 35.132, 303.713



75, 46.379, 304.170



74, 38.312, 320.038



44, 7.033, 302.419



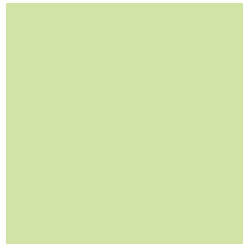
24, 99.306, 308.369



3, 34.483, 304.272

Previews

White Background



This preview shows how the CIELCh color 88, 33.251, 120.255 looks on a white background.

Color Contrast Check

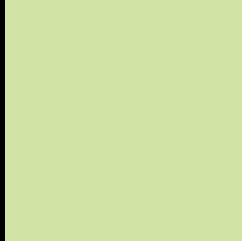
Large Text (above 18pt) WCAG AA × Fail

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, 33.251, 120.255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

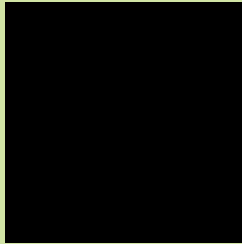
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

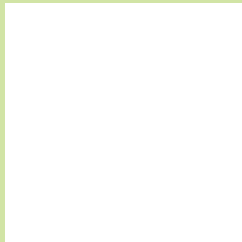
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 33.251, 120.255

Background



This preview shows how black text looks on a background with the CIELCh color 88, 33.251, 120.255.

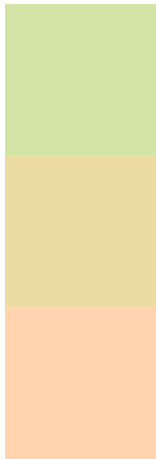


This preview shows how white text looks on a background with the CIELCh color 88, 33.251, 120.255.

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, 33.251, 120.255

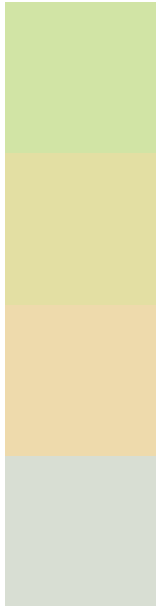
Protanopia
88, 30.774, 94.935

Deuteranopia
88, 25.923, 67.523



Tritanopia
88, 9.411, 290.960

Trichromacy



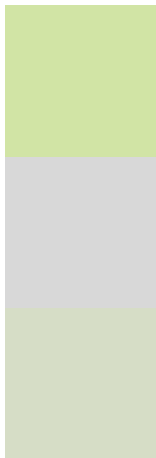
Original Color
88, 33.251, 120.255

Protanomaly
88, 30.981, 104.653

Deuteranomaly
88, 25.179, 89.947

Tritanomaly
88, 6.146, 130.455

Monochromacy



Original Color
88, 33.251, 120.255

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 12.271, 121.379

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 33.251, 120.255 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, 228, 165)` looks like.

```
.text, #text, p{  
    color:rgb(209, 228, 165)  
}
```

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, 228, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 228, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 33.251, 120.255 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, 228, 165) }
```

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

```
.border{ border-color:rgb(209, 228, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 228, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 228, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 228, 165);  
box-shadow:4px 4px 4px 4px rgb(209, 228,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 33.251, 120.255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 228, 165) }
```

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

```
.background{ background-color: rgb(209,  
228, 165) }
```

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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