

Converting Colors

CIELCh(83, 32.986, 138.486)

Have a look what the booklet for
CIELCh(83, 32.986, 138.486)
contains.

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Color

CIELCh(83, 33.020, 138.489)

Conversions

Conversions Part 1

Format	Color
Hex	AEDBA5
RGB	174, 219, 165
RGB Percent	68%, 86%, 65%
CMY	0.3189, 0.1424, 0.3541
CMYK	0.21, 0.00, 0.25, 0.14
HSL	110°, 43%, 75%
HSV	110°, 25%, 86%
XYZ	49.3969, 62.1629, 44.8461
YIQ	199.3890, -9.4860, -26.3340

Conversions

Conversions Part 2

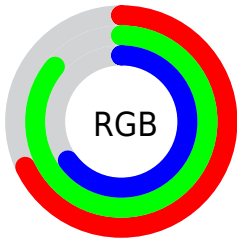
Format	Color
RYB	165, 219, 210
Decimal	11459493
CIELab	83.00, -24.73, 21.88
CIELCh	83, 33.020, 138.489
Yxy	62.1629, 0.3158, 0.3974
Android (android.graphics.Color)	4289649573 (0xFFFAEDBA5)
YUV	199.3890, -16.9538, -22.2662
Hunter-Lab	78.8435, -26.1426, 21.4664

Details

The CIELCh color **83, 33.020, 138.489** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **73, 33.331, 320.922**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 20.008, 135.579**, and **63, 32.991, 138.377** is the 20% darker color. If you saturate the color by 10%, you get **82, 46.300, 137.829**, and if you desaturate by 10%, it is **85, 19.603, 139.082**.

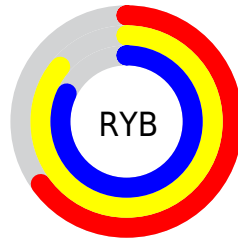
Distribution



Red (68%)

Green (86%)

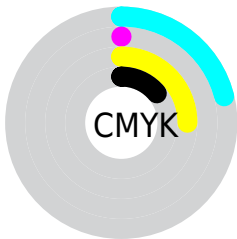
Blue (65%)



Red (65%)

Yellow (86%)

Blue (82%)

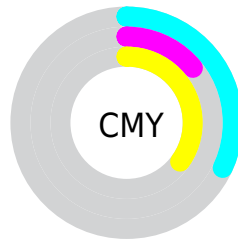


Cyan (21%)

Magenta (0%)

Yellow (25%)

Black (14%)



Cyan (32%)

Magenta (14%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 33.020, 138.489 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 83, 33.020, 138.489 by changing the saturation by 10% instead.

■ 83, 33.020,
138.489

■ 83, 33.020,
138.489

■ 100, 33.020,
138.489

■ 73, 33.020,
138.489

■ 63, 33.020,
138.489

■ 53, 33.020,
138.489

■ 43, 33.020,
138.489

■ 33, 33.020,
138.489

■ 23, 33.020,
138.489

■ 13, 33.020,

138.489

■ 3, 33.020, 138.489

■ 0, 33.020, 138.489

■ 83, 33.020,
138.489

■ 83, 33.020,
138.489

■ 82, 46.300,
137.829

■ 85, 19.603,
139.082

■ 80, 59.200,
137.112

■ 86, 6.217, 139.622

■ 79, 71.406,
136.373

■ 88, 7.012, 319.996

■ 78, 82.499,
135.678

■ 90, 19.999,
320.398

■ 78, 91.949,

■ 91, 22.740,
325.216

135.130

■ 77, 99.181,
134.861

■ 77, 103.770,
134.973

■ 77, 105.345,
135.105

Harmonies

Complementary

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



83, 33.020, 138.489



73, 33.331, 320.922

Rectangle

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



83, 33.020, 138.489



83, 33.020, 188.489



83, 33.020, 318.489



83, 33.020, 8.489

Sweetspot

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



83, 33.022, 138.490



99, 10.538, 139.494



84, 23.800, 99.548



52, 6.850, 139.462



0, 0.000, 0.000



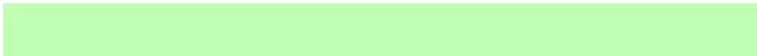
53, 0.007, 296.813

Same Dimension

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



83, 33.022, 138.490



94, 45.428, 138.129



83, 27.377, 153.696



45, 7.574, 139.368



62, 88.449, 134.978



15, 32.236, 137.065

Inverse Universe

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



73, 33.331, 320.922



81, 45.929, 321.173



74, 27.706, 337.490



43, 7.610, 320.211



36, 87.783, 321.922



6, 33.762, 322.329

Previews

White Background



This preview shows how the CIELCh color 83, 33.020, 138.489 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 83, 33.020, 138.489 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 83, 33.020, 138.489

Background



This preview shows how black text looks on a background with the CIELCh color 83, 33.020, 138.489.

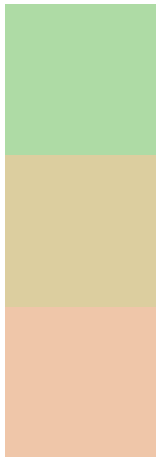


This preview shows how white text looks on a background with the CIELCh color 83, 33.020, 138.489.

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
83, 33.020, 138.489

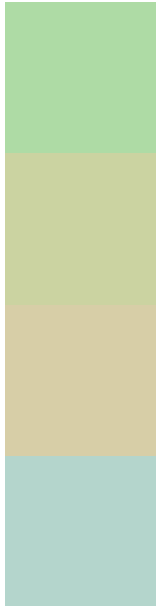
Protanopia
83, 25.287, 95.251

Deuteranopia
83, 22.531, 62.510



Tritanopia
83, 12.397, 245.676

Trichromacy



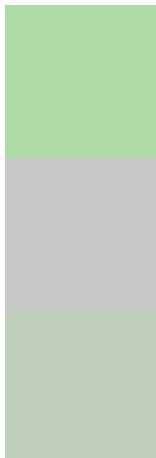
Original Color
83, 33.020, 138.489

Protanomaly
83, 26.321, 114.708

Deuteranomaly
83, 20.789, 98.585

Tritanomaly
83, 12.700, 176.466

Monochromacy



Original Color
83, 33.020, 138.489

Achromatopsia
80, 0.010, 296.813

Achromatomaly
81, 11.726, 139.631

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 33.020, 138.489 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(174, 219, 165)` looks like.

```
.text, #text, p{  
    color:rgb(174, 219, 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(174, 219, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 219, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 33.020, 138.489 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(174, 219, 165) }
```

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

```
.border{ border-color:rgb(174, 219, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 219, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 219, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 219, 165);  
box-shadow:4px 4px 4px 4px rgb(174, 219,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 33.020, 138.489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 219, 165) }
```

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

```
.background{ background-color: rgb(174,  
219, 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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