

Converting Colors

CIELCh(83, 18.349, 88.405)

Have a look what the booklet for
CIELCh(83, 18.349, 88.405) contains.

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Color

CIELCh(83, 18.463, 88.844)

Conversions

Conversions Part 1

Format	Color
Hex	DDCDAC
RGB	221, 205, 172
RGB Percent	87%, 80%, 67%
CMY	0.1324, 0.1952, 0.3246
CMYK	0.00, 0.07, 0.22, 0.13
HSL	40°, 42%, 77%
HSV	40°, 22%, 87%
XYZ	59.2389, 62.1629, 48.0147
YIQ	206.0220, 20.1290, -6.8710

Conversions

Conversions Part 2

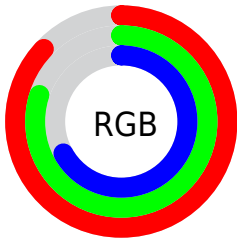
Format	Color
RYB	196, 221, 172
Decimal	14536108
CIELab	83.00, 0.37, 18.46
CIELCh	83, 18.463, 88.844
Yxy	62.1629, 0.3497, 0.3669
Android (android.graphics.Color)	4292726188 (0xFFDDCDAC)
YUV	206.0220, -16.7728, 13.1357
Hunter-Lab	78.8435, -3.8605, 19.0836

Details

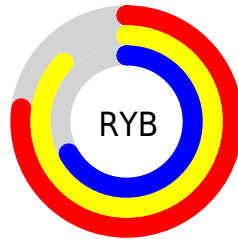
The CIELCh color **83, 18.463, 88.844** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **76, 18.407, 274.883**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 14.168, 109.107**, and **63, 18.233, 89.466** is the 20% darker color. If you saturate the color by 10%, you get **81, 27.054, 87.522**, and if you desaturate by 10%, it is **85, 10.023, 90.134**.

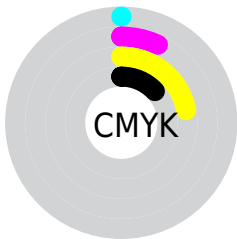
Distribution



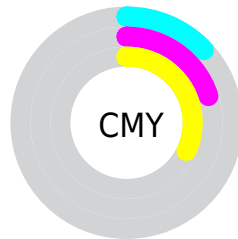
- Red (87%)
- Green (80%)
- Blue (67%)



- Red (77%)
- Yellow (87%)
- Blue (67%)



- Cyan (0%)
- Magenta (7%)
- Yellow (22%)
- Black (13%)



- Cyan (13%)
- Magenta (20%)
- Yellow (32%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 18.463, 88.844 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, 18.463, 88.844 by changing the saturation by 10% instead.

 83, 18.463, 88.844

 83, 18.463, 88.844

 100, 18.463,
88.844

 73, 18.463, 88.844

 63, 18.463, 88.844

 53, 18.463, 88.844

 43, 18.463, 88.844

 33, 18.463, 88.844

 23, 18.463, 88.844

 13, 18.463, 88.844

 3, 18.463, 88.844

 0, 18.463, 88.844

83, 18.463, 88.844

83, 18.463, 88.844

81, 27.054, 87.522

85, 10.023, 90.134

79, 35.743, 86.150

88, 1.750, 91.263

76, 44.426, 84.735

90, 6.355, 272.650

74, 52.898, 83.261

92, 11.541,
268.933

72, 60.783, 81.690

94, 9.650, 246.062

70, 67.453, 79.935

96, 9.722, 218.829

69, 72.062, 77.844

98, 11.405,
198.744

67, 74.150, 75.930

Harmonies

Complementary

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



83, 18.463, 88.844



76, 18.407, 274.883

Rectangle

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



83, 18.463, 88.844



83, 18.463, 138.844



83, 18.463, 268.844



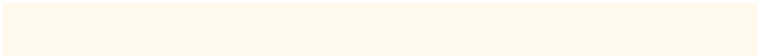
83, 18.463, 318.844

Sweetspot

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



83, 18.464, 88.852



98, 6.440, 90.758



75, 20.456, 355.952



52, 4.188, 90.685



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, 18.464, 88.852



93, 25.378, 88.184



86, 25.606, 115.096



45, 4.634, 90.471



54, 61.848, 76.434



13, 19.587, 79.306

Inverse Universe

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



76, 18.407, 274.883



83, 25.281, 275.780



73, 26.897, 298.564



43, 4.637, 272.932



29, 73.695, 296.810



5, 22.803, 285.711

Previews

White Background



This preview shows how the CIELCh color 83, 18.463, 88.844 looks on a white background.

Color Contrast Check

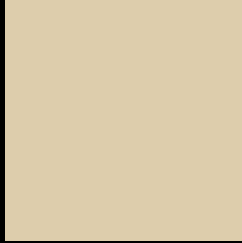
Large Text (above 18pt) WCAG AA × Fail

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 83, 18.463, 88.844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

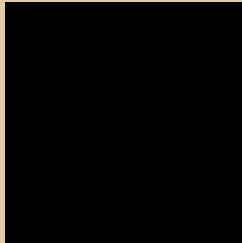
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 18.463, 88.844

Background



This preview shows how black text looks on a background with the CIELCh color 83, 18.463, 88.844.



This preview shows how white text looks on a background with the CIELCh color 83, 18.463, 88.844.

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, 18.463, 88.844

Protanopia

83, 17.967, 93.574

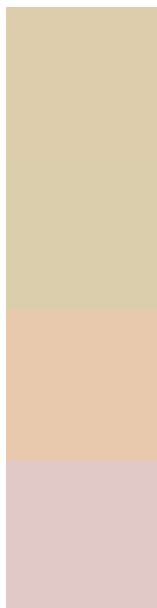
Deuteranopia

83, 20.758, 61.116



Tritanopia
83, 13.267, 340.938

Trichromacy



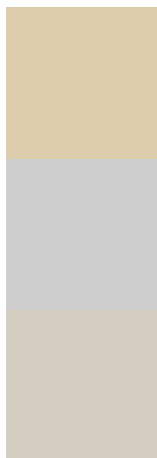
Original Color
83, 18.463, 88.844

Protanomaly
83, 18.074, 92.373

Deuteranomaly
83, 19.236, 69.544

Tritanomaly
83, 9.038, 26.693

Monochromacy



Original Color
83, 18.463, 88.844

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 6.690, 90.038

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 18.463, 88.844 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(221, 205, 172)` looks like.

```
.text, #text, p{  
    color:rgb(221, 205, 172)  
}
```

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(221, 205, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 205, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 18.463, 88.844 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(221, 205, 172) }
```

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

```
.border{ border-color:rgb(221, 205, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 205, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 205, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 205, 172);  
box-shadow:4px 4px 4px 4px rgb(221, 205,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 18.463, 88.844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 205, 172) }
```

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

```
.background{ background-color: rgb(221,  
205, 172) }
```

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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