

Converting Colors

CIELCh(83, 11.800, 88.414)

Have a look what the booklet for
CIELCh(83, 11.800, 88.414) contains.

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Color

CIELCh(83, 11.811, 88.406)

Conversions

Conversions Part 1

Format	Color
Hex	D9CEB9
RGB	217, 206, 185
RGB Percent	85%, 81%, 73%
CMY	0.1504, 0.1935, 0.2758
CMYK	0.00, 0.05, 0.15, 0.15
HSL	39°, 29%, 79%
HSV	39°, 15%, 85%
XYZ	59.2206, 62.1629, 54.5889
YIQ	206.8950, 13.2970, -4.1990

Conversions

Conversions Part 2

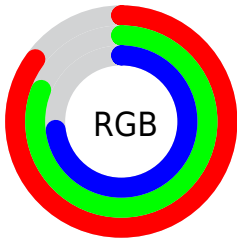
Format	Color
R _Y B	202, 217, 185
Decimal	14274233
CIE Lab	83.00, 0.33, 11.81
CIE LCh	83, 11.811, 88.406
Yxy	62.1629, 0.3365, 0.3533
Android (android.graphics.Color)	4292464313 (0xFFD9CEB9)
YUV	206.8950, -10.7942, 8.8621
Hunter-Lab	78.8435, -3.9019, 14.1398

Details

The CIELCh color **83, 11.811, 88.406** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79, 11.761, 272.341**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 7.086, 109.637**, and **63, 11.852, 88.821** is the 20% darker color. If you saturate the color by 10%, you get **81, 20.040, 87.114**, and if you desaturate by 10%, it is **85, 3.763, 89.639**.

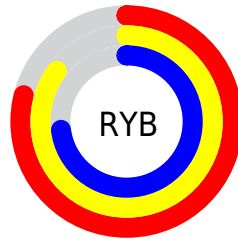
Distribution



Red (85%)

Green (81%)

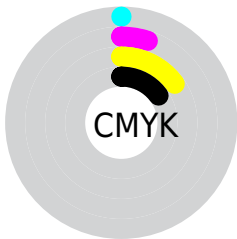
Blue (73%)



Red (79%)

Yellow (85%)

Blue (73%)

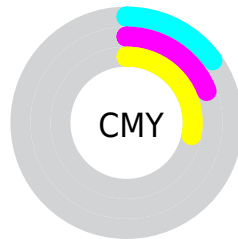


Cyan (0%)

Magenta (5%)

Yellow (15%)

Black (15%)



Cyan (15%)

Magenta (19%)

Yellow (28%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 11.811, 88.406 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, 11.811, 88.406 by changing the saturation by 10% instead.

 83, 11.811, 88.406

 83, 11.811, 88.406

 100, 11.811,
88.406

 73, 11.811, 88.406

 63, 11.811, 88.406

 53, 11.811, 88.406

 43, 11.811, 88.406

 33, 11.811, 88.406

 23, 11.811, 88.406

 13, 11.811, 88.406

 3, 11.811, 88.406

 0, 11.811, 88.406

83, 11.811, 88.406

83, 11.811, 88.406

81, 20.040, 87.114

85, 3.763, 89.639

78, 28.425, 85.765

88, 4.107, 270.996

76, 36.915, 84.374

90, 11.804,
272.126

74, 45.393, 82.936

92, 11.773,
258.641

72, 53.632, 81.429

70, 61.217, 79.800

94, 10.653,
234.943

68, 67.467, 77.939

96, 11.499,
210.841

66, 71.525, 75.662

65, 72.946, 74.336

97, 12.883,
198.645

Harmonies

Complementary

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



83, 11.811, 88.406



79, 11.761, 272.341

Rectangle

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



83, 11.811, 88.406



83, 11.811, 138.406



83, 11.811, 268.406



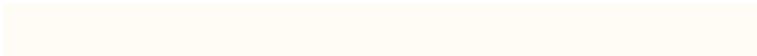
83, 11.811, 318.406

Sweetspot

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



83, 11.812, 88.417



99, 3.601, 89.717



78, 13.356, 353.984



53, 2.562, 89.635



0, 0.000, 0.000



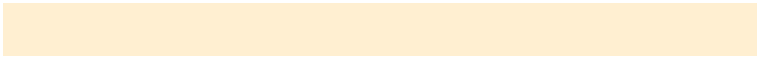
53, 0.007, 296.813

Same Dimension

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



83, 11.812, 88.417



95, 16.502, 87.980



85, 16.796, 114.961



44, 4.470, 89.089



52, 61.116, 74.861



12, 18.028, 77.512

Inverse Universe

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



79, 11.761, 272.341



89, 16.404, 272.872



76, 17.351, 297.265



42, 4.464, 271.568



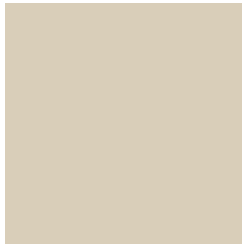
29, 70.843, 295.800



5, 20.956, 283.762

Previews

White Background



This preview shows how the CIELCh color 83, 11.811, 88.406 looks on a white background.

Color Contrast Check

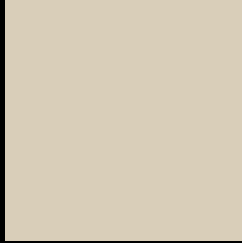
Large Text (above 18pt) WCAG AA × Fail

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, 11.811, 88.406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

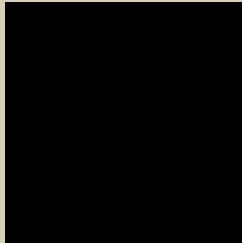
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

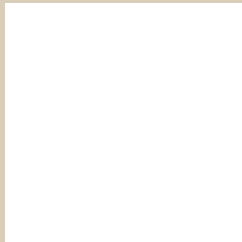
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 11.811, 88.406

Background



This preview shows how black text looks on a background with the CIELCh color 83, 11.811, 88.406.

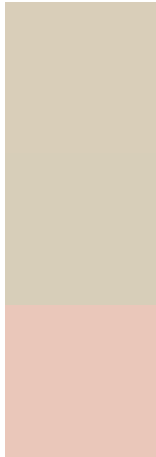


This preview shows how white text looks on a background with the CIELCh color 83, 11.811, 88.406.

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, 11.811, 88.406

Protanopia

83, 11.561, 91.966

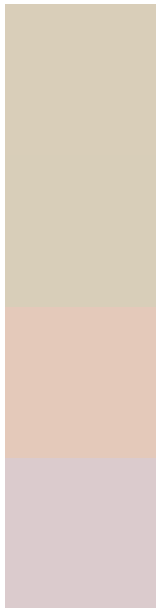
Deuteranopia

83, 15.180, 46.925



Tritanopia
83, 11.168, 331.062

Trichromacy



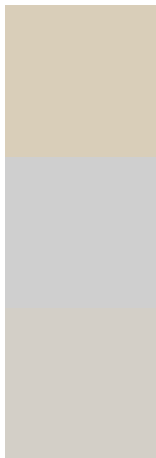
Original Color
83, 11.811, 88.406

Protanomaly
83, 11.680, 90.168

Deuteranomaly
83, 13.067, 57.012

Tritanomaly
83, 5.993, 9.661

Monochromacy



Original Color
83, 11.811, 88.406

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 4.448, 90.370

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 11.811, 88.406 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(217, 206, 185)` looks like.

```
.text, #text, p{  
    color:rgb(217, 206, 185)  
}
```

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(217, 206, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 206, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 11.811, 88.406 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(217, 206, 185) }
```

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

```
.border{ border-color:rgb(217, 206, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 206, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 206, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 206, 185);  
box-shadow:4px 4px 4px 4px rgb(217, 206,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 11.811, 88.406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 206, 185) }
```

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

```
.background{ background-color: rgb(217,  
206, 185) }
```

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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