

Converting Colors

CIELCh(83, 17.316, 109.933)

Have a look what the booklet for
CIELCh(83, 17.316, 109.933)
contains.

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Color

CIELCh(83, 17.324, 109.924)

Conversions

Conversions Part 1

Format	Color
Hex	D0D1B0
RGB	208, 209, 176
RGB Percent	82%, 82%, 69%
CMY	0.1842, 0.1803, 0.3097
CMYK	0.00, 0.00, 0.16, 0.18
HSL	62°, 26%, 76%
HSV	62°, 16%, 82%
XYZ	56.6656, 62.1629, 50.0995
YIQ	204.9390, 9.9970, -10.4750

Conversions

Conversions Part 2

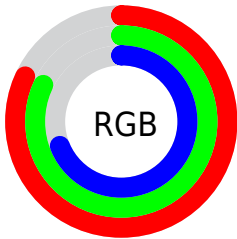
Format	Color
RYB	176, 209, 177
Decimal	13685168
CIELab	83.00, -5.90, 16.29
CIELCh	83, 17.324, 109.924
Yxy	62.1629, 0.3354, 0.3680
Android (android.graphics.Color)	4291875248 (0xFFD0D1B0)
YUV	204.9390, -14.2669, 2.6845
Hunter-Lab	78.8435, -9.6864, 17.5158

Details

The CIELCh color $83, 17.324, 109.924$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $73, 17.962, 293.002$, and the grayscale version is $82, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 11.641, 109.297$, and $63, 17.746, 110.882$ is the 20% darker color. If you saturate the color by 10%, you get $83, 28.174, 109.008$, and if you desaturate by 10%, it is $84, 6.362, 110.843$.

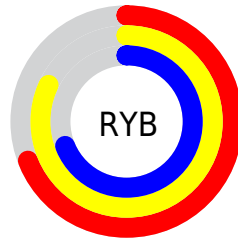
Distribution



Red (82%)

Green (82%)

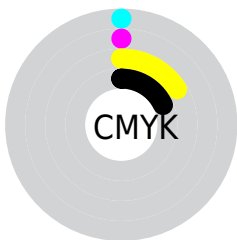
Blue (69%)



Red (69%)

Yellow (82%)

Blue (69%)

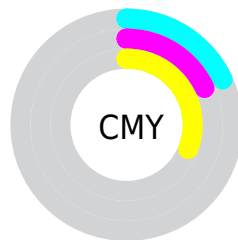


Cyan (0%)

Magenta (0%)

Yellow (16%)

Black (18%)



Cyan (18%)


Magenta (18%)

Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 17.324, 109.924 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, 17.324, 109.924 by changing the saturation by 10% instead.


 83, 17.324,
109.924


 83, 17.324,
109.924


 100, 17.324,
109.924


 73, 17.324,
109.924

 63, 17.324,
109.924

 53, 17.324,
109.924

 43, 17.324,
109.924

 33, 17.324,
109.924

 23, 17.324,
109.924

 13, 17.324,

109.924

■ 3, 17.324, 109.924

■ 0, 17.324, 109.924

■ 83, 17.324,
109.924

■ 83, 17.324,
109.924

■ 83, 28.174,
109.008

■ 84, 6.362, 110.843

■ 82, 38.805,
108.101

■ 84, 4.650, 291.766

■ 82, 49.058,
107.231

■ 85, 15.665,
292.634

■ 82, 58.689,
106.429

■ 85, 24.219,
293.402

■ 81, 67.341,

■ 85, 24.227,
293.898

105.735

85, 24.237,
294.395

81, 74.536,
105.196

85, 24.249,
294.891

81, 79.757,
104.860

86, 24.262,
295.388

81, 82.678,
104.754

86, 24.277,
295.886

81, 83.487,
104.751

Harmonies

Complementary

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



83, 17.324, 109.924



73, 17.962, 293.002

Rectangle

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



83, 17.324, 109.924



83, 17.324, 159.924



83, 17.324, 289.924



83, 17.324, 339.924

Sweetspot

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



83, 17.326, 109.929



100, 6.456, 110.908



75, 12.517, 21.770



53, 4.405, 110.845



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, 17.326, 109.929



99, 24.469, 109.613



82, 18.578, 128.952



44, 6.237, 110.515



66, 71.048, 104.723



16, 23.497, 106.662

Inverse Universe

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



73, 17.962, 293.002



85, 25.576, 293.412



74, 18.967, 310.356



40, 6.375, 292.298



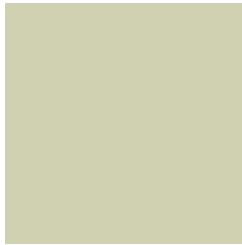
20, 97.866, 306.388



2, 25.577, 293.989

Previews

White Background



This preview shows how the CIELCh color 83, 17.324, 109.924 looks on a white background.

Color Contrast Check

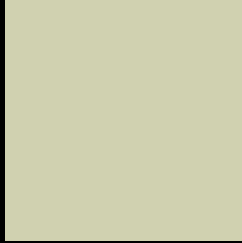
Large Text (above 18pt) WCAG AA × Fail

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, 17.324, 109.924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

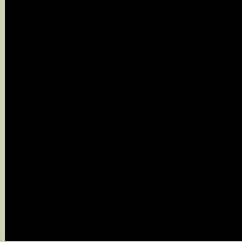
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 17.324, 109.924

Background



This preview shows how black text looks on a background with the CIELCh color 83, 17.324, 109.924.



This preview shows how white text looks on a background with the CIELCh color 83, 17.324, 109.924.

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](#).

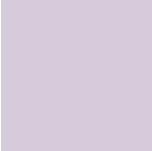
Dichromacy



Original Color
83, 17.324, 109.924

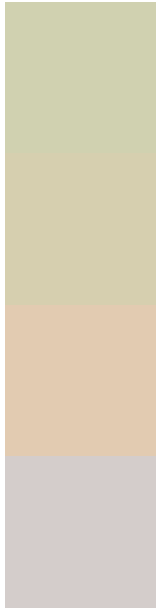
Protanopia
83, 16.952, 92.795

Deuteranopia
83, 18.649, 56.349



Tritanopia
83, 9.382, 315.620

Trichromacy



Original Color
83, 17.324, 109.924

Protanomaly
83, 17.026, 99.544

Deuteranomaly
83, 16.400, 75.889

Tritanomaly
83, 2.768, 41.752

Monochromacy



Original Color
83, 17.324, 109.924

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 6.323, 109.612

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 17.324, 109.924 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(208, 209, 176)` looks like.

```
.text, #text, p{  
    color:rgb(208, 209, 176)  
}
```

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(208, 209, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 209, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 17.324, 109.924 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(208, 209, 176) }
```

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

```
.border{ border-color:rgb(208, 209, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 209, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 209, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 209, 176);  
box-shadow:4px 4px 4px 4px rgb(208, 209,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 17.324, 109.924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 209, 176) }
```

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

```
.background{ background-color: rgb(208,  
209, 176) }
```

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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