

Converting Colors

CIELCh(81, 17.490, 108.113)

Have a look what the booklet for
CIELCh(81, 17.490, 108.113)
contains.

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Color

CIELCh(81, 17.410, 107.338)

Conversions

Conversions Part 1

Format	Color
Hex	CCCBA4
RGB	204, 203, 170
RGB Percent	80%, 80%, 67%
CMY	0.1999, 0.2038, 0.3332
CMYK	0.00, 0.00, 0.17, 0.20
HSL	58°, 25%, 73%
HSV	58°, 17%, 80%
XYZ	53.5317, 58.4711, 46.5092
YIQ	199.5370, 11.1890, -10.0510

Conversions

Conversions Part 2

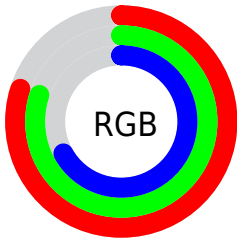
Format	Color
RYB	171, 204, 170
Decimal	13421482
CIELab	81.00, -5.19, 16.62
CIElCh	81, 17.410, 107.338
Yxy	58.4711, 0.3377, 0.3689
Android (android.graphics.Color)	4291611562 (0xFFCCCCBAA)
YUV	199.5370, -14.5617, 3.9141
Hunter-Lab	76.4664, -8.8541, 17.4645

Details

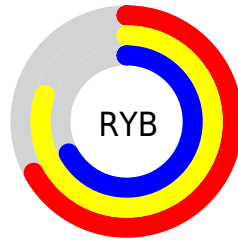
The CIELCh color **81, 17.410, 107.338** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **71, 18.046, 290.848**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 15.178, 109.030**, and **61, 17.293, 106.842** is the 20% darker color. If you saturate the color by 10%, you get **80, 27.757, 106.349**, and if you desaturate by 10%, it is **82, 6.970, 108.328**.

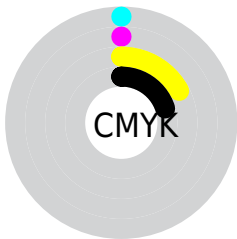
Distribution



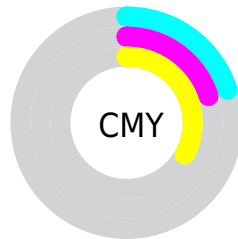
- Red (80%)
- Green (80%)
- Blue (67%)



- Red (67%)
- Yellow (80%)
- Blue (67%)



- Cyan (0%)
- Magenta (0%)
- Yellow (17%)
- Black (20%)




- Cyan (20%)
- Magenta (20%)
- Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 17.410, 107.338 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 81, 17.410, 107.338 by changing the saturation by 10% instead.


 81, 17.410,
107.338

 81, 17.410,
107.338


 100, 17.410,
107.338

 71, 17.410,
107.338


 61, 17.410,
107.338

 51, 17.410,
107.338

 41, 17.410,
107.338

 31, 17.410,
107.338

 21, 17.410,
107.338

 11, 17.410,

107.338

■ 1, 17.410, 107.338

■ 0, 17.410, 107.338

■ 81, 17.410,
107.338

■ 81, 17.410,
107.338

■ 80, 27.757,
106.349

■ 82, 6.970, 108.328

■ 80, 37.908,
105.363

■ 82, 3.505, 289.333

■ 80, 47.711,
104.407

■ 83, 13.975,
290.262

■ 79, 56.925,
103.506

■ 84, 24.412,
291.170

■ 79, 65.194,

■ 84, 25.851,
290.918

102.690

84, 25.526,
290.431

79, 72.034,
101.995

84, 25.202,
289.931

78, 76.919,
101.452

85, 24.880,
289.420

78, 79.542,
101.073

85, 24.560,
288.895

78, 80.155,
100.965

Harmonies

Complementary

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



81, 17.410, 107.338



71, 18.046, 290.848

Rectangle

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



81, 17.410, 107.338



81, 17.410, 157.338



81, 17.410, 287.338



81, 17.410, 337.338

Sweetspot

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



81, 17.412, 107.344



100, 6.265, 108.481



73, 13.190, 17.880



53, 4.275, 108.413



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 17.412, 107.344



99, 25.017, 106.986



80, 19.001, 127.130



43, 5.932, 108.062



65, 68.706, 100.993



14, 21.220, 103.827

Inverse Universe

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



71, 18.046, 290.848



84, 26.141, 291.318



72, 19.469, 308.688



39, 6.057, 289.980



19, 95.522, 305.885



1, 23.049, 291.739

Previews

White Background



This preview shows how the CIELCh color 81, 17.410, 107.338 looks on a white background.

Color Contrast Check

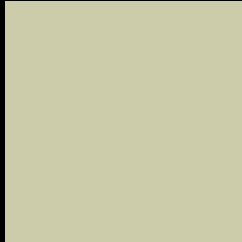
Large Text (above 18pt) WCAG AA × Fail

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 81, 17.410, 107.338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

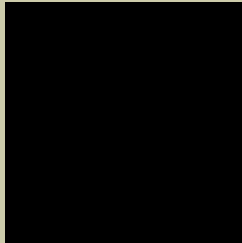
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 17.410, 107.338

Background



This preview shows how black text looks on a background with the CIELCh color 81, 17.410, 107.338.



This preview shows how white text looks on a background with the CIELCh color 81, 17.410, 107.338.

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


81, 17.410, 107.338

Protanopia

81, 17.438, 94.388

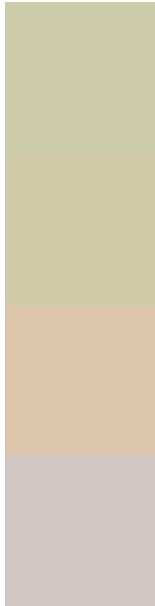
Deuteranopia

81, 18.780, 56.301



Tritanopia
81, 9.760, 319.495

Trichromacy



Original Color
81, 17.410, 107.338

Protanomaly
81, 17.623, 99.707

Deuteranomaly
81, 16.728, 74.687

Tritanomaly
81, 3.486, 37.166

Monochromacy



Original Color
81, 17.410, 107.338

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 6.353, 109.599

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 17.410, 107.338 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(204, 203, 170)` looks like.

```
.text, #text, p{  
    color:rgb(204, 203, 170)  
}
```

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(204, 203, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 203, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 17.410, 107.338 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(204, 203, 170) }
```

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

```
.border{ border-color:rgb(204, 203, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 203, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 203, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 203, 170);  
box-shadow:4px 4px 4px 4px rgb(204, 203,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 17.410, 107.338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 203, 170) }
```

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

```
.background{ background-color: rgb(204,  
203, 170) }
```

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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