

Converting Colors

CIELCh(81, 18.874, 99.002)

Have a look what the booklet for
CIELCh(81, 18.874, 99.002) contains.

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Color

CIELCh(81, 19.243, 99.092)

Conversions

Conversions Part 1

Format	Color
Hex	D2CAA6
RGB	210, 202, 166
RGB Percent	82%, 79%, 65%
CMY	0.1778, 0.2092, 0.3503
CMYK	0.00, 0.04, 0.21, 0.18
HSL	49°, 33%, 74%
HSV	49°, 21%, 82%
XYZ	54.3713, 58.4711, 44.3371
YIQ	200.2880, 16.3240, -9.5000

Conversions

Conversions Part 2

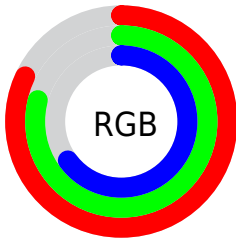
Format	Color
RYB	176, 210, 166
Decimal	13814438
CIELab	81.00, -3.04, 19.00
CIELCh	81, 19.243, 99.092
Yxy	58.4711, 0.3459, 0.3720
Android (android.graphics.Color)	4292004518 (0xFFD2CAA6)
YUV	200.2880, -16.9040, 8.5174
Hunter-Lab	76.4664, -6.8942, 19.1486

Details

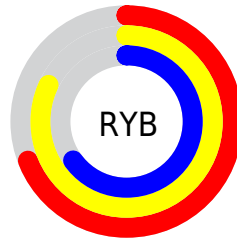
The CIELCh color **81, 19.243, 99.092** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **71, 19.755, 284.200**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 17.195, 108.877**, and **61, 19.193, 99.178** is the 20% darker color. If you saturate the color by 10%, you get **80, 28.449, 97.922**, and if you desaturate by 10%, it is **82, 10.040, 100.243**.

Distribution



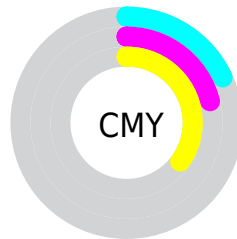
- Red (82%)
- Green (79%)
- Blue (65%)



- Red (69%)
- Yellow (82%)
- Blue (65%)



- Cyan (0%)
- Magenta (4%)
- Yellow (21%)
- Black (18%)



- Cyan (18%)
- Magenta (21%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 19.243, 99.092 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, 19.243, 99.092 by changing the saturation by 10% instead.

■ 81, 19.243, 99.092

■ 81, 19.243, 99.092

■ 100, 19.243,
99.092

■ 71, 19.243, 99.092

■ 61, 19.243, 99.092

■ 51, 19.243, 99.092

■ 41, 19.243, 99.092

■ 31, 19.243, 99.092

■ 21, 19.243, 99.092

■ 11, 19.243, 99.092

■ 1, 19.243, 99.092

■ 0, 19.243, 99.092

81, 19.243, 99.092

81, 19.243, 99.092

80, 28.449, 97.922

82, 10.040,
100.243

78, 37.571, 96.726

84, 0.883, 101.203

77, 46.467, 95.519

85, 8.204, 282.472

76, 54.891, 94.306

87, 17.206,
283.497

75, 62.447, 93.088

74, 68.557, 91.851

88, 18.188,
280.032

72, 72.548, 90.559

89, 16.501,
274.090

72, 74.301, 89.318

90, 15.027,
266.937

91, 13.831,
258.441

■ 92, 12.985,
248.648

Harmonies

Complementary

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



81, 19.243, 99.092



71, 19.755, 284.200

Rectangle

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



81, 19.243, 99.092



81, 19.243, 149.092



81, 19.243, 279.092



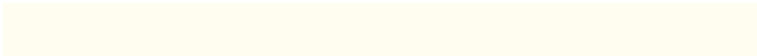
81, 19.243, 329.092

Sweetspot

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



81, 19.244, 99.098



99, 6.417, 100.784



72, 17.515, 6.642



53, 4.258, 100.713



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, 19.244, 99.098



96, 26.903, 98.595



82, 23.708, 121.248



43, 5.174, 100.418



58, 63.178, 89.554



13, 19.342, 93.119

Inverse Universe

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



71, 19.755, 284.200



82, 27.784, 284.873



70, 24.669, 303.730



41, 5.241, 282.606



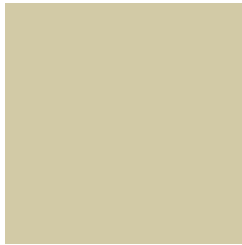
23, 86.896, 302.843



3, 22.367, 288.520

Previews

White Background



This preview shows how the CIELCh color 81, 19.243, 99.092 looks on a white background.

Color Contrast Check

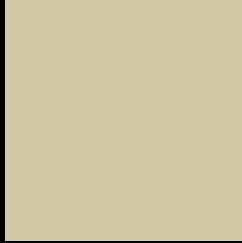
Large Text (above 18pt) WCAG AA × Fail

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, 19.243, 99.092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

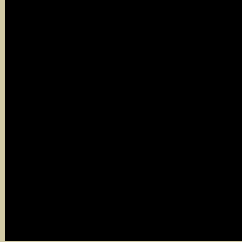
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

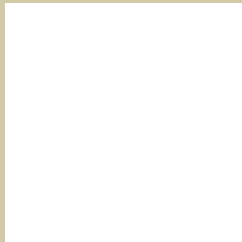
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 19.243, 99.092

Background



This preview shows how black text looks on a background with the CIELCh color 81, 19.243, 99.092.



This preview shows how white text looks on a background with the CIELCh color 81, 19.243, 99.092.

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, 19.243, 99.092

Protanopia

81, 19.584, 94.510

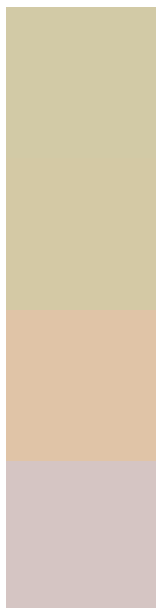
Deuteranopia

81, 20.903, 61.052



Tritanopia
81, 11.228, 331.077

Trichromacy



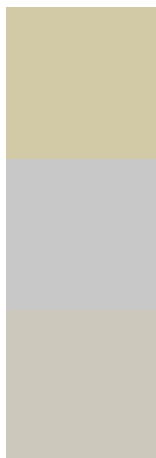
Original Color
81, 19.243, 99.092

Protanomaly
81, 19.491, 95.640

Deuteranomaly
81, 19.021, 73.165

Tritanomaly
81, 6.060, 29.818

Monochromacy



Original Color
81, 19.243, 99.092

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 6.962, 100.249

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 19.243, 99.092 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(210, 202, 166)` looks like.

```
.text, #text, p{  
    color:rgb(210, 202, 166)  
}
```

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(210, 202, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 202, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 19.243, 99.092 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(210, 202, 166) }
```

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

```
.border{ border-color:rgb(210, 202, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 202, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 202, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 202, 166);  
box-shadow:4px 4px 4px 4px rgb(210, 202,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 19.243, 99.092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 202, 166) }
```

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

```
.background{ background-color: rgb(210,  
202, 166) }
```

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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