

Converting Colors

CIELCh(81, 31.738, 99.965)

Have a look what the booklet for
CIELCh(81, 31.738, 99.965) contains.

CIELCh(81, 31.738, 99.965)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(81, 31.738, 99.965)

Conversions

Conversions Part 1

Format	Color
Hex	D4CA8E
RGB	212, 202, 142
RGB Percent	83%, 79%, 56%
CMY	0.1669, 0.2061, 0.4415
CMYK	0.00, 0.05, 0.33, 0.17
HSL	51°, 45%, 70%
HSV	51°, 33%, 83%
XYZ	53.4136, 58.4711, 34.2229
YIQ	198.1500, 25.2200, -16.5400

Conversions

Conversions Part 2

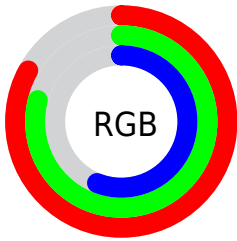
Format	Color
RYB	154, 212, 142
Decimal	13945486
CIELab	81.00, -5.49, 31.26
CIELCh	81, 31.738, 99.965
Yxy	58.4711, 0.3656, 0.4002
Android (android.graphics.Color)	4292135566 (0xFFD4CA8E)
YUV	198.1500, -27.6819, 12.1465
Hunter-Lab	76.4664, -9.1297, 26.9910

Details

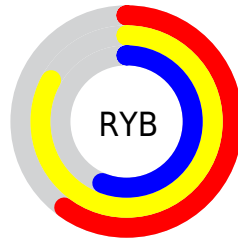
The CIELCh color **81, 31.738, 99.965** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **64, 33.505, 288.215**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 29.728, 107.918**, and **61, 31.666, 100.203** is the 20% darker color. If you saturate the color by 10%, you get **80, 41.185, 98.827**, and if you desaturate by 10%, it is **82, 22.137, 101.102**.

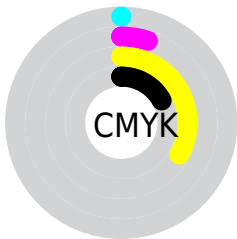
Distribution



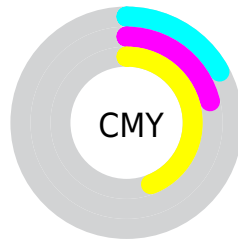
- Red (83%)
- Green (79%)
- Blue (56%)



- Red (60%)
- Yellow (83%)
- Blue (56%)



- Cyan (0%)
- Magenta (5%)
- Yellow (33%)
- Black (17%)



- Cyan (17%)
- Magenta (21%)
- Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 31.738, 99.965 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, 31.738, 99.965 by changing the saturation by 10% instead.

 81, 31.738, 99.965

 81, 31.738, 99.965

 100, 31.738,
99.965

 71, 31.738, 99.965

 61, 31.738, 99.965

 51, 31.738, 99.965

 41, 31.738, 99.965

 31, 31.738, 99.965

 21, 31.738, 99.965

 11, 31.738, 99.965

 1, 31.738, 99.965

 0, 31.738, 99.965

81, 31.738, 99.965

81, 31.738, 99.965

80, 41.185, 98.827

82, 22.137,
101.102

79, 50.298, 97.689

83, 12.485,
102.214

78, 58.789, 96.566

77, 66.209, 95.467

85, 2.842, 103.267

76, 71.952, 94.391

86, 6.756, 284.387

75, 75.402, 93.317

87, 16.288,
285.390

75, 76.607, 92.551

88, 18.075,
282.966

89, 16.647,
278.522

90, 15.336,
273.309

■ 91, 14.173,
267.211

Harmonies

Complementary

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



81, 31.738, 99.965



64, 33.505, 288.215

Rectangle

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



81, 31.738, 99.965



81, 31.738, 149.965



81, 31.738, 279.965



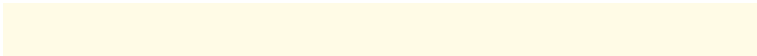
81, 31.738, 329.965

Sweetspot

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



81, 31.739, 99.969



98, 11.159, 102.526



66, 28.494, 10.835



52, 7.616, 102.371



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, 31.739, 99.969



94, 44.533, 99.118



82, 37.685, 121.888



45, 5.497, 102.599



61, 65.208, 92.723



15, 21.602, 95.732

Inverse Universe

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



64, 33.505, 288.215



71, 47.792, 289.621



64, 40.112, 305.740



42, 5.581, 284.721



22, 91.191, 303.937



3, 24.860, 290.617

Previews

White Background



This preview shows how the CIELCh color 81, 31.738, 99.965 looks on a white background.

Color Contrast Check

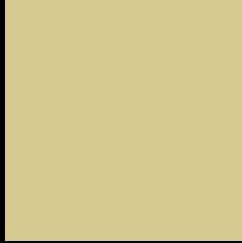
Large Text (above 18pt) WCAG AA × Fail

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, 31.738, 99.965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

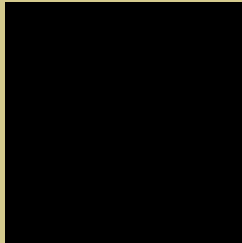
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

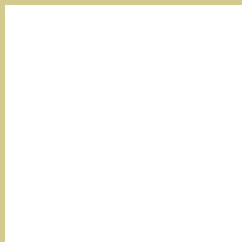
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 31.738, 99.965

Background



This preview shows how black text looks on a background with the CIELCh color 81, 31.738, 99.965.



This preview shows how white text looks on a background with the CIELCh color 81, 31.738, 99.965.

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, 31.738, 99.965

Protanopia

81, 31.690, 95.475

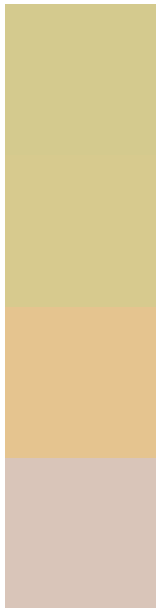
Deuteranopia

81, 32.468, 72.023



Tritanopia
81, 12.433, 340.621

Trichromacy



Original Color
81, 31.738, 99.965

Protanomaly
81, 31.928, 97.781

Deuteranomaly
81, 31.267, 81.898

Tritanomaly
81, 9.936, 59.423

Monochromacy



Original Color
81, 31.738, 99.965

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 11.741, 101.639

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 31.738, 99.965 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(212, 202, 142)` looks like.

```
.text, #text, p{  
    color:rgb(212, 202, 142)  
}
```

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(212, 202, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 202, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 31.738, 99.965 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(212, 202, 142) }
```

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

```
.border{ border-color:rgb(212, 202, 142) }
```

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

Here you see how a box with a 4 pixel rgb(212, 202, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 202, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 202, 142);  
box-shadow:4px 4px 4px 4px rgb(212, 202,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 31.738, 99.965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 202, 142) }
```

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

```
.background{ background-color: rgb(212,  
202, 142) }
```

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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