

Converting Colors

CIELCh(84, 31.075, 99.290)

Have a look what the booklet for
CIELCh(84, 31.075, 99.290) contains.

CIELCh(84, 31.049, 99.306)	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(84, 31.049, 99.306)

Conversions

Conversions Part 1

Format	Color
Hex	DED398
RGB	222, 211, 152
RGB Percent	87%, 83%, 60%
CMY	0.1313, 0.1743, 0.4056
CMYK	0.00, 0.05, 0.32, 0.13
HSL	51°, 51%, 73%
HSV	51°, 32%, 87%
XYZ	58.7894, 64.0658, 38.7842
YIQ	207.5630, 25.4950, -16.0170

Conversions

Conversions Part 2

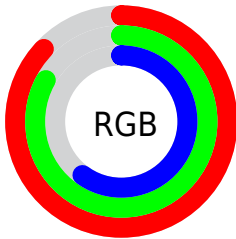
Format	Color
RYB	165, 222, 152
Decimal	14603160
CIELab	84.00, -5.02, 30.64
CIELCh	84, 31.049, 99.306
Yxy	64.0658, 0.3637, 0.3964
Android (android.graphics.Color)	4292793240 (0xFFDED398)
YUV	207.5630, -27.3926, 12.6612
Hunter-Lab	80.0411, -8.9654, 27.2996

Details

The CIELCh color **84, 31.049, 99.306** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **68, 32.585, 287.272**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 24.233, 108.340**, and **64, 31.435, 99.644** is the 20% darker color. If you saturate the color by 10%, you get **83, 40.751, 98.145**, and if you desaturate by 10%, it is **85, 21.224, 100.462**.

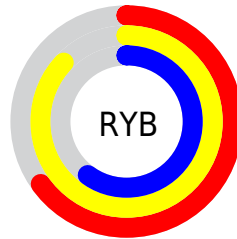
Distribution



Red (87%)

Green (83%)

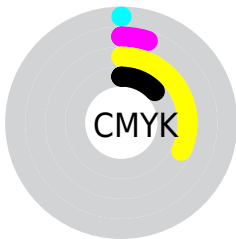
Blue (60%)



Red (65%)

Yellow (87%)

Blue (60%)

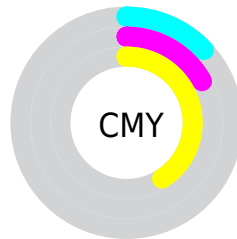


Cyan (0%)

Magenta (5%)

Yellow (32%)

Black (13%)



Cyan (13%)

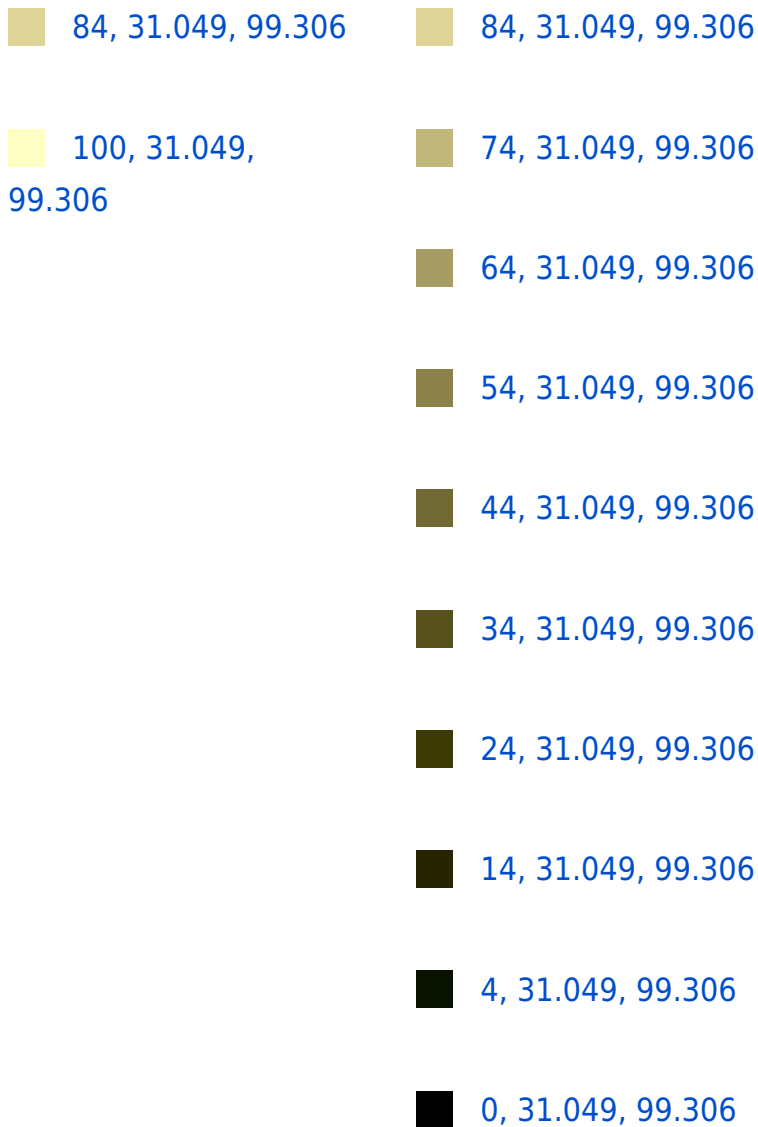
Magenta (17%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 31.049, 99.306 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 84, 31.049, 99.306 by changing the saturation by 10% instead.



84, 31.049, 99.306

84, 31.049, 99.306

83, 40.751, 98.145

85, 21.224,
100.462

82, 50.158, 96.977

87, 11.368,
101.587

80, 58.993, 95.816

79, 66.817, 94.668

88, 1.540, 102.606

78, 73.011, 93.528

90, 8.229, 283.781

77, 76.902, 92.370

91, 14.168,
282.555

77, 78.417, 91.359

92, 12.589,
275.822

93, 11.229,
267.362

93, 10.173,
256.923

Harmonies

Complementary

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



84, 31.049, 99.306



68, 32.585, 287.272

Rectangle

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



84, 31.049, 99.306



84, 31.049, 149.306



84, 31.049, 279.306



84, 31.049, 329.306

Sweetspot

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



84, 31.050, 99.310



99, 9.893, 101.863



70, 28.210, 9.365



52, 6.878, 101.702



0, 0.000, 0.000



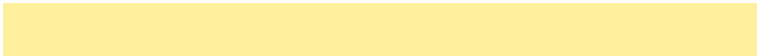
53, 0.007, 296.813

Same Dimension

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



84, 31.050, 99.310



94, 41.804, 98.529



85, 37.262, 121.299



45, 5.522, 101.824



61, 65.406, 91.572



16, 22.693, 94.392

Inverse Universe

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



68, 32.585, 287.272



73, 44.472, 288.522



67, 39.610, 305.089



43, 5.602, 283.978



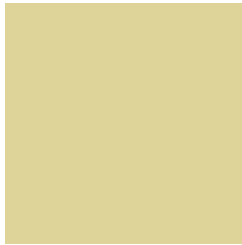
23, 91.140, 303.601



3, 26.404, 291.284

Previews

White Background



This preview shows how the CIELCh color 84, 31.049, 99.306 looks on a white background.

Color Contrast Check

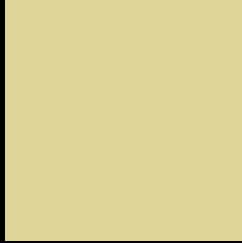
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 84, 31.049, 99.306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

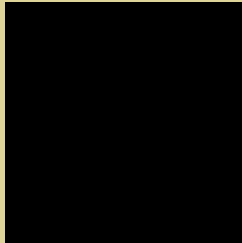
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

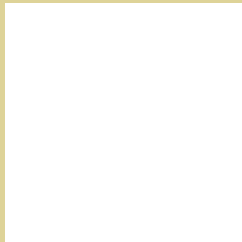
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 31.049, 99.306

Background



This preview shows how black text looks on a background with the CIELCh color 84, 31.049, 99.306.



This preview shows how white text looks on a background with the CIELCh color 84, 31.049, 99.306.

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

84, 31.049, 99.306

Protanopia

84, 30.968, 95.485

Deuteranopia

84, 31.568, 70.651



Tritanopia

84, 12.954, 339.859

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 31.049, 99.306 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(222, 211, 152)` looks like.

```
.text, #text, p{  
    color:rgb(222, 211, 152)  
}
```

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(222, 211, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 211, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 31.049, 99.306 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(222, 211, 152) }
```

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

```
.border{ border-color:rgb(222, 211, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 211, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 211, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 211, 152);  
box-shadow:4px 4px 4px 4px rgb(222, 211,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 31.049, 99.306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 211, 152) }
```

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

```
.background{ background-color: rgb(222,  
211, 152) }
```

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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