

Converting Colors

CIELCh(69, 34.416, 81.022)

Have a look what the booklet for
CIELCh(69, 34.416, 81.022) contains.

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Color

CIELCh(69, 34.301, 80.690)

Conversions

Conversions Part 1

Format	Color
Hex	C6A36B
RGB	198, 163, 107
RGB Percent	78%, 64%, 42%
CMY	0.2229, 0.3601, 0.5798
CMYK	0.00, 0.18, 0.46, 0.22
HSL	37°, 44%, 60%
HSV	37°, 46%, 78%
XYZ	39.1207, 39.3444, 19.4837
YIQ	167.0810, 38.8360, -9.9960

Conversions

Conversions Part 2

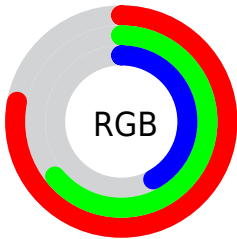
Format	Color
RYB	164, 198, 107
Decimal	13017963
CIELab	69.00, 5.55, 33.85
CIElCh	69, 34.301, 80.690
Yxy	39.3444, 0.3994, 0.4017
Android (android.graphics.Color)	4291208043 (0xFFC6A36B)
YUV	167.0810, -29.6199, 27.1160
Hunter-Lab	62.7251, 1.5588, 25.4909

Details

The CIELCh color **69, 34.301, 80.690** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **59, 32.951, 275.087**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 34.173, 81.703**, and **49, 34.274, 80.368** is the 20% darker color. If you saturate the color by 10%, you get **67, 42.140, 79.251**, and if you desaturate by 10%, it is **71, 26.516, 82.090**.

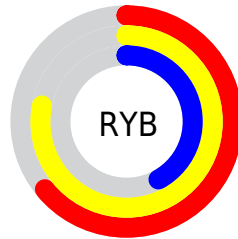
Distribution



Red (78%)

Green (64%)

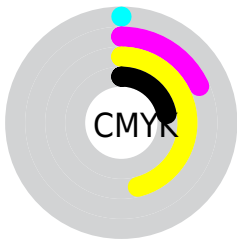
Blue (42%)



Red (64%)

Yellow (78%)

Blue (42%)

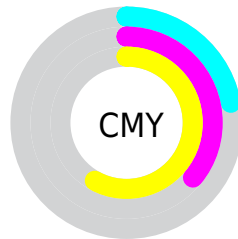


Cyan (0%)

Magenta (18%)

Yellow (46%)

Black (22%)



Cyan (22%)

Magenta (36%)

Yellow (58%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 34.301, 80.690 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 69, 34.301, 80.690 by changing the saturation by 10% instead.

 69, 34.301, 80.690

 69, 34.301, 80.690

 100, 34.301,
80.690

 59, 34.301, 80.690

 89, 34.301, 80.690

 49, 34.301, 80.690

 99, 34.301, 80.690

 39, 34.301, 80.690

 29, 34.301, 80.690


 19, 34.301, 80.690

 9, 34.301, 80.690

 0, 34.301, 80.690

 69, 34.301, 80.690

 69, 34.301, 80.690

 67, 42.140, 79.251

 71, 26.516, 82.090

65, 49.832, 77.730

74, 18.880, 83.446

63, 56.999, 76.068

76, 11.435, 84.760

61, 63.003, 74.129

78, 4.192, 86.000

59, 67.027, 71.694

81, 2.853, 267.401

58, 68.366, 70.651

83, 9.713, 268.522

86, 16.402,
269.650

88, 17.960,
263.305

90, 16.058,
247.925

Harmonies

Complementary

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



69, 34.301, 80.690



59, 32.951, 275.087

Rectangle

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



69, 34.301, 80.690



69, 34.301, 130.690



69, 34.301, 260.690



69, 34.301, 310.690

Sweetspot

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



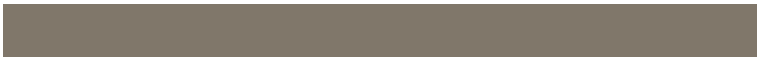
69, 34.301, 80.695



96, 12.302, 84.980



57, 40.541, 354.804



50, 8.520, 84.699



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 34.301, 80.695



84, 50.849, 79.266



77, 47.269, 110.434



41, 4.044, 85.586



48, 59.160, 71.155



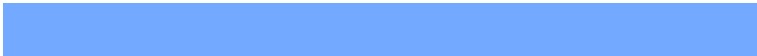
9, 13.446, 72.350

Inverse Universe

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



59, 32.951, 275.087



69, 48.654, 277.784



50, 53.288, 299.358



39, 4.020, 268.088



30, 63.670, 293.087



4, 15.874, 278.355

Previews

White Background



This preview shows how the CIELCh color 69, 34.301, 80.690 looks on a white background.

Color Contrast Check

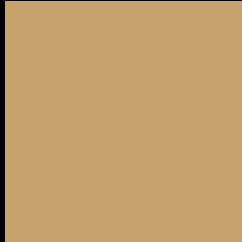
Large Text (above 18pt) WCAG AA × Fail

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 69, 34.301, 80.690 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 69, 34.301, 80.690

Background



This preview shows how black text looks on a background with the CIELCh color 69, 34.301, 80.690.

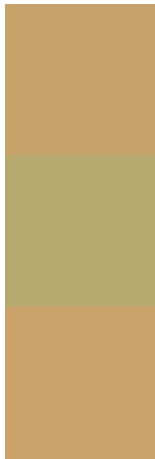


This preview shows how white text looks on a background with the CIELCh color 69, 34.301, 80.690.

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

69, 34.301, 80.690

Protanopia

69, 32.979, 96.363

Deuteranopia

69, 34.566, 75.251



Tritanopia
69, 19.705, 1.989

Trichromacy



Original Color
69, 34.301, 80.690

Protanomaly
69, 33.404, 90.385

Deuteranomaly
69, 34.268, 77.474

Tritanomaly
69, 19.035, 42.526

Monochromacy



Original Color
69, 34.301, 80.690

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 12.465, 86.273

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 34.301, 80.690 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(198, 163, 107)` looks like.

```
.text, #text, p{  
    color:rgb(198, 163, 107)  
}
```

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(198, 163, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 163, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 34.301, 80.690 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(198, 163, 107) }
```

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

```
.border{ border-color:rgb(198, 163, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 163, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 163, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 163, 107);  
box-shadow:4px 4px 4px 4px rgb(198, 163,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 34.301, 80.690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 163, 107) }
```

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

```
.background{ background-color: rgb(198,  
163, 107) }
```

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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