

Converting Colors

CIELCh(69, 37.715, 81.855)

Have a look what the booklet for
CIELCh(69, 37.715, 81.855) contains.

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Color

CIELCh(69, 37.421, 81.740)

Conversions

Conversions Part 1

Format	Color
Hex	C7A365
RGB	199, 163, 101
RGB Percent	78%, 64%, 40%
CMY	0.2191, 0.3602, 0.6034
CMYK	0.00, 0.18, 0.49, 0.22
HSL	38°, 47%, 59%
HSV	38°, 49%, 78%
XYZ	39.0661, 39.3444, 17.8788
YIQ	166.6960, 41.3580, -11.6500

Conversions

Conversions Part 2

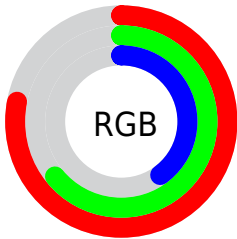
Format	Color
RYB	158, 199, 101
Decimal	13083493
CIELab	69.00, 5.38, 37.03
CIElCh	69, 37.421, 81.740
Yxy	39.3444, 0.4057, 0.4086
Android (android.graphics.Color)	4291273573 (0xFFC7A365)
YUV	166.6960, -32.3881, 28.3306
Hunter-Lab	62.7251, 1.4035, 27.0079

Details

The CIELCh color $69, 37.421, 81.740$ is a light color, and the websafe version is hex `CC9966`. A complement of this color would be $57, 36.355, 277.380$, and the grayscale version is $69, 0.008, 296.813$.

A 20% lighter version of the original color is $89, 36.995, 83.362$, and $49, 37.667, 82.148$ is the 20% darker color. If you saturate the color by 10%, you get $67, 45.271, 80.280$, and if you desaturate by 10%, it is $71, 29.537, 83.154$.

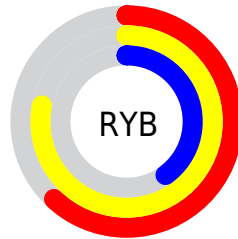
Distribution



Red (78%)

Green (64%)

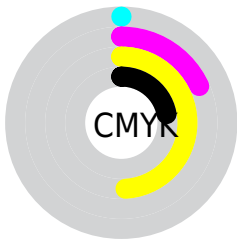
Blue (40%)



Red (62%)

Yellow (78%)

Blue (40%)

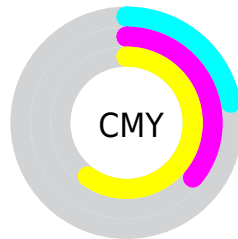


Cyan (0%)

Magenta (18%)

Yellow (49%)

Black (22%)



Cyan (22%)

Magenta (36%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 37.421, 81.740 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, 37.421, 81.740 by changing the saturation by 10% instead.

 69, 37.421, 81.740

 69, 37.421, 81.740

 100, 37.421,
81.740

 59, 37.421, 81.740

 89, 37.421, 81.740

 49, 37.421, 81.740

 99, 37.421, 81.740

 39, 37.421, 81.740

 29, 37.421, 81.740

 19, 37.421, 81.740

 9, 37.421, 81.740

 0, 37.421, 81.740

 69, 37.421, 81.740

 69, 37.421, 81.740

 67, 45.271, 80.280

 71, 29.537, 83.154

65, 52.826, 78.725

73, 21.752, 84.522

63, 59.620, 77.000

76, 14.127, 85.848

61, 64.925, 74.952

78, 6.686, 87.119

59, 68.264, 72.454

80, 0.568, 268.872

59, 68.516, 72.263

83, 7.643, 269.642

85, 14.551,
270.775

88, 18.703,
268.435

90, 16.439,
254.795

Harmonies

Complementary

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



69, 37.421, 81.740



57, 36.355, 277.380

Rectangle

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



69, 37.421, 81.740



69, 37.421, 131.740



69, 37.421, 261.740



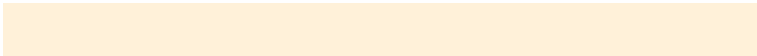
69, 37.421, 311.740

Sweetspot

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



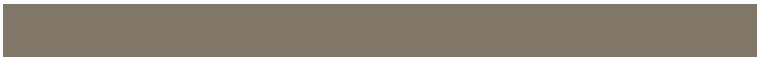
69, 37.421, 81.744



96, 13.406, 86.365



55, 43.242, 356.519



50, 9.172, 86.090



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, 37.421, 81.744



84, 55.136, 80.183



78, 50.660, 110.963



41, 4.109, 87.099



49, 59.092, 72.758



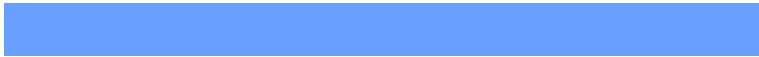
9, 13.601, 74.537

Inverse Universe

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



57, 36.355, 277.380



66, 53.651, 280.406



48, 57.695, 300.322



39, 4.093, 269.585



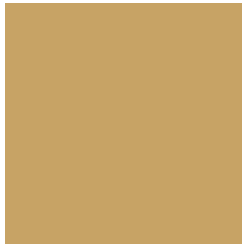
29, 65.591, 294.216



4, 16.141, 279.283

Previews

White Background



This preview shows how the CIELCh color 69, 37.421, 81.740 looks on a white background.

Color Contrast Check

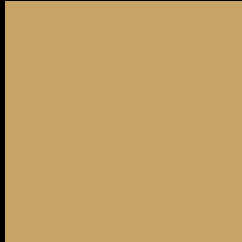
Large Text (above 18pt) WCAG AA × Fail

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, 37.421, 81.740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

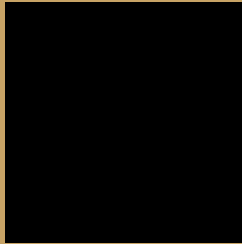
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 37.421, 81.740

Background



This preview shows how black text looks on a background with the CIELCh color 69, 37.421, 81.740.



This preview shows how white text looks on a background with the CIELCh color 69, 37.421, 81.740.

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, 37.421, 81.740

Protanopia

69, 36.146, 96.183

Deuteranopia

69, 37.631, 76.734



Tritanopia
69, 20.475, 2.834

Trichromacy



Original Color
69, 37.421, 81.740

Protanomaly
69, 36.572, 90.679

Deuteranomaly
69, 37.360, 78.791

Tritanomaly
69, 20.361, 44.389

Monochromacy



Original Color
69, 37.421, 81.740

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 13.642, 86.286

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 37.421, 81.740 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(199, 163, 101)` looks like.

```
.text, #text, p{  
    color:rgb(199, 163, 101)  
}
```

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(199, 163, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 163, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 37.421, 81.740 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(199, 163, 101) }
```

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

```
.border{ border-color:rgb(199, 163, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 163, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 163, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 163, 101);  
box-shadow:4px 4px 4px 4px rgb(199, 163,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 37.421, 81.740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 163, 101) }
```

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

```
.background{ background-color: rgb(199,  
163, 101) }
```

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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