

Converting Colors

CIELCh(69, 38.897, 77.028)

Have a look what the booklet for
CIELCh(69, 38.897, 77.028) contains.

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Color

CIELCh(69, 38.812, 76.791)

Conversions

Conversions Part 1

Format	Color
Hex	CDA164
RGB	205, 161, 100
RGB Percent	80%, 63%, 39%
CMY	0.1964, 0.3689, 0.6082
CMYK	0.00, 0.21, 0.51, 0.20
HSL	35°, 51%, 60%
HSV	35°, 51%, 80%
XYZ	40.1776, 39.3444, 17.5128
YIQ	167.2020, 45.8050, -9.6430

Conversions

Conversions Part 2

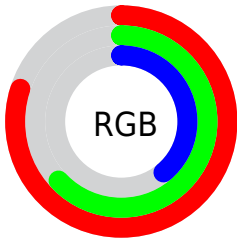
Format	Color
R_{YB}	176, 205, 100
Decimal	13476196
CIE _{Lab}	69.00, 8.87, 37.79
CIE _{LCh}	69, 38.812, 76.791
Yxy	39.3444, 0.4141, 0.4055
Android (android.graphics.Color)	4291666276 (0xFFCDA164)
YUV	167.2020, -33.1306, 33.1488
Hunter-Lab	62.7251, 4.5664, 27.3538

Details

The CIELCh color **69, 38.812, 76.791** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **59, 36.112, 273.481**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 36.960, 81.918**, and **49, 38.932, 77.378** is the 20% darker color. If you saturate the color by 10%, you get **67, 46.858, 75.330**, and if you desaturate by 10%, it is **71, 30.804, 78.204**.

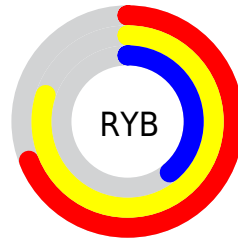
Distribution



Red (80%)

Green (63%)

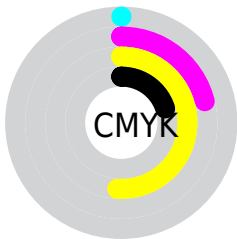
Blue (39%)



Red (69%)

Yellow (80%)

Blue (39%)

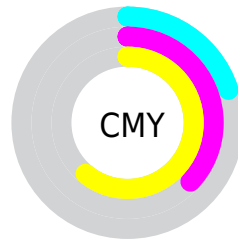


Cyan (0%)

Magenta (21%)

Yellow (51%)

Black (20%)



Cyan (20%)

Magenta (37%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 38.812, 76.791 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, 38.812, 76.791 by changing the saturation by 10% instead.

■ 69, 38.812, 76.791

■ 69, 38.812, 76.791

■ 100, 38.812,
76.791

■ 59, 38.812, 76.791

■ 89, 38.812, 76.791

■ 49, 38.812, 76.791

■ 99, 38.812, 76.791

■ 39, 38.812, 76.791

■ 29, 38.812, 76.791

■ 19, 38.812, 76.791

■ 9, 38.812, 76.791

■ 0, 38.812, 76.791

■ 69, 38.812, 76.791

■ 69, 38.812, 76.791

■ 67, 46.858, 75.330

■ 71, 30.804, 78.204

64, 54.666, 73.756

74, 22.966, 79.574

62, 61.724, 71.962

77, 15.355, 80.907

60, 67.219, 69.740

79, 7.987, 82.195

58, 70.509, 67.384

82, 0.857, 83.139

85, 6.050, 264.776

88, 12.751,
265.926

90, 15.300,
259.045

92, 13.811,
238.035

Harmonies

Complementary

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



69, 38.812, 76.791



59, 36.112, 273.481

Rectangle

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



69, 38.812, 76.791



69, 38.812, 126.791



69, 38.812, 256.791



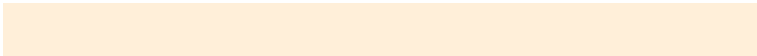
69, 38.812, 306.791

Sweetspot

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



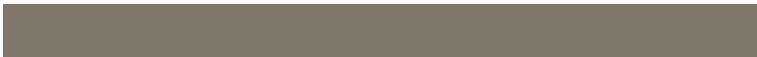
69, 38.812, 76.795



95, 12.821, 81.693



56, 46.900, 353.491



50, 8.779, 81.418



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, 38.812, 76.795



81, 55.765, 75.248



80, 53.600, 108.494



42, 4.005, 82.423



48, 60.146, 67.958



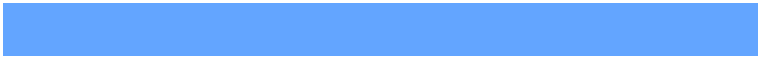
9, 14.596, 68.305

Inverse Universe

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



59, 36.112, 273.481



67, 51.440, 276.674



48, 61.714, 299.358



41, 3.964, 264.952



32, 60.636, 290.690



5, 16.669, 277.351

Previews

White Background



This preview shows how the CIELCh color 69, 38.812, 76.791 looks on a white background.

Color Contrast Check

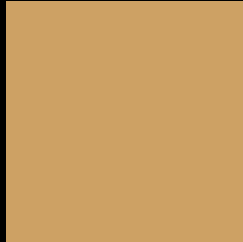
Large Text (above 18pt) WCAG AA × Fail

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, 38.812, 76.791 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, 38.812, 76.791

Background



This preview shows how black text looks on a background with the CIELCh color 69, 38.812, 76.791.



This preview shows how white text looks on a background with the CIELCh color 69, 38.812, 76.791.

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, 38.812, 76.791

Protanopia

69, 36.146, 96.183

Deuteranopia

69, 38.812, 76.791



Tritanopia
69, 23.559, 5.716

Trichromacy



Original Color
69, 38.812, 76.791

Protanomaly
69, 36.526, 88.531

Deuteranomaly
69, 38.812, 76.791

Tritanomaly
69, 23.575, 41.318

Monochromacy



Original Color
69, 38.812, 76.791

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 13.692, 80.766

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 38.812, 76.791 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(205, 161, 100)` looks like.

```
.text, #text, p{  
    color:rgb(205, 161, 100)  
}
```

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(205, 161, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 161, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 38.812, 76.791 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(205, 161, 100) }
```

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

```
.border{ border-color:rgb(205, 161, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 161, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 161, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 161, 100);  
box-shadow:4px 4px 4px 4px rgb(205, 161,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 38.812, 76.791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 161, 100) }
```

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

```
.background{ background-color: rgb(205,  
161, 100) }
```

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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