

Converting Colors

CIELCh(68, 43.858, 82.592)

Have a look what the booklet for
CIELCh(68, 43.858, 82.592) contains.

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Color

CIELCh(68, 43.902, 82.553)

Conversions

Conversions Part 1

Format	Color
Hex	C7A056
RGB	199, 160, 86
RGB Percent	78%, 63%, 34%
CMY	0.2195, 0.3724, 0.6626
CMYK	0.00, 0.20, 0.57, 0.22
HSL	39°, 50%, 56%
HSV	39°, 57%, 78%
XYZ	37.8197, 37.9720, 14.1464
YIQ	163.2250, 46.9980, -14.7460

Conversions

Conversions Part 2

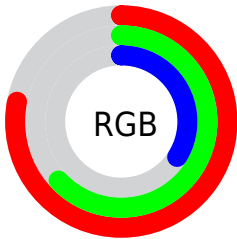
Format	Color
RYB	146, 199, 86
Decimal	13082710
CIELab	68.00, 5.69, 43.53
CIELCh	68, 43.902, 82.553
Yxy	37.9720, 0.4205, 0.4222
Android (android.graphics.Color)	4291272790 (0xFFC7A056)
YUV	163.2250, -38.0719, 31.3747
Hunter-Lab	61.6215, 1.7156, 29.5239

Details

The CIELCh color **68, 43.902, 82.553** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **53, 43.493, 281.210**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 43.282, 84.299**, and **48, 43.694, 82.809** is the 20% darker color. If you saturate the color by 10%, you get **66, 51.525, 81.041**, and if you desaturate by 10%, it is **70, 36.010, 83.997**.

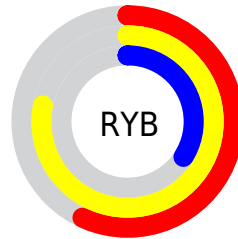
Distribution



Red (78%)

Green (63%)

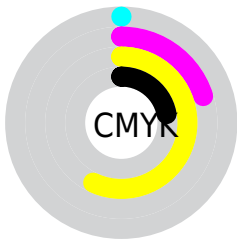
Blue (34%)



Red (57%)

Yellow (78%)

Blue (34%)

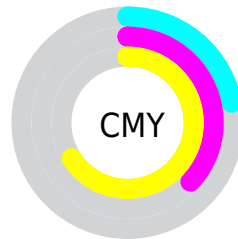


Cyan (0%)

Magenta (20%)

Yellow (57%)

Black (22%)



Cyan (22%)

Magenta (37%)

Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 43.902, 82.553 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 68, 43.902, 82.553 by changing the saturation by 10% instead.

 68, 43.902, 82.553

 68, 43.902, 82.553

 100, 43.902,
82.553

 58, 43.902, 82.553

 88, 43.902, 82.553

 48, 43.902, 82.553

 98, 43.902, 82.553

 38, 43.902, 82.553

 28, 43.902, 82.553

 18, 43.902, 82.553

 8, 43.902, 82.553

 0, 43.902, 82.553

 68, 43.902, 82.553

 68, 43.902, 82.553

 66, 51.525, 81.041

 70, 36.010, 83.997

64, 58.459, 79.391

72, 28.082, 85.389

62, 64.036, 77.485

74, 20.239, 86.739

61, 67.521, 75.147

76, 12.538, 88.046

60, 68.455, 74.368

79, 5.001, 89.288

81, 2.366, 270.669

83, 9.571, 271.767

86, 16.623,
272.882

88, 18.642,
268.014

Harmonies

Complementary

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



68, 43.902, 82.553



53, 43.493, 281.210

Rectangle

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



68, 43.902, 82.553



68, 43.902, 132.553



68, 43.902, 262.553



68, 43.902, 312.553

Sweetspot

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



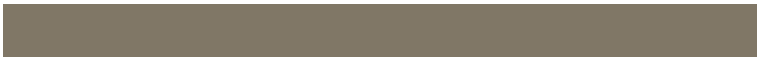
68, 43.902, 82.557



95, 15.545, 87.985



52, 48.935, 0.426



50, 10.422, 87.722



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 43.902, 82.557



82, 64.046, 80.689



77, 57.750, 112.036



41, 4.198, 88.975



50, 59.084, 74.834



9, 13.832, 77.271

Inverse Universe

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



53, 43.493, 281.210



60, 64.454, 285.015



44, 67.337, 302.312



39, 4.192, 271.433



28, 68.061, 295.575



4, 16.479, 280.393

Previews

White Background



This preview shows how the CIELCh color 68, 43.902, 82.553 looks on a white background.

Color Contrast Check

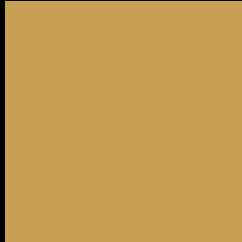
Large Text (above 18pt) WCAG AA × Fail

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 68, 43.902, 82.553 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 68, 43.902, 82.553

Background



This preview shows how black text looks on a background with the CIELCh color 68, 43.902, 82.553.



This preview shows how white text looks on a background with the CIELCh color 68, 43.902, 82.553.

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

68, 43.902, 82.553

Protanopia

68, 42.443, 95.636

Deuteranopia

68, 44.561, 78.484



Tritanopia
68, 22.466, 4.758

Trichromacy



Original Color
68, 43.902, 82.553

Protanomaly
68, 42.888, 90.853

Deuteranomaly
68, 44.307, 80.246

Tritanomaly
68, 23.176, 47.418

Monochromacy



Original Color
68, 43.902, 82.553

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 15.918, 87.526

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 43.902, 82.553 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, 160, 86)` looks like.

```
.text, #text, p{  
    color:rgb(199, 160, 86)  
}
```

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, 160, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 160, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 43.902, 82.553 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, 160, 86) }
```

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

```
.border{ border-color:rgb(199, 160, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 160, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 160, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 160, 86);  
box-shadow:4px 4px 4px 4px rgb(199, 160,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 43.902, 82.553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 160, 86) }
```

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

```
.background{ background-color: rgb(199,  
160, 86) }
```

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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