

Converting Colors

CIELCh(72, 40.801, 87.939)

Have a look what the booklet for
CIELCh(72, 40.801, 87.939) contains.

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Color

CIELCh(72, 40.822, 87.637)

Conversions

Conversions Part 1

Format	Color
Hex	CBAD65
RGB	203, 173, 101
RGB Percent	80%, 68%, 40%
CMY	0.2029, 0.3206, 0.6030
CMYK	0.00, 0.15, 0.50, 0.20
HSL	42°, 50%, 60%
HSV	42°, 50%, 80%
XYZ	42.0514, 43.6590, 18.5822
YIQ	173.7620, 40.9920, -16.0320

Conversions

Conversions Part 2

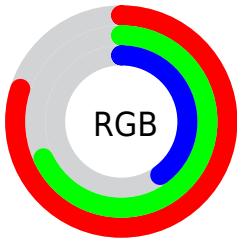
Format	Color
RYB	144, 203, 101
Decimal	13348197
CIELab	72.00, 1.68, 40.79
CIELCh	72, 40.822, 87.637
Yxy	43.6590, 0.4032, 0.4186
Android (android.graphics.Color)	4291538277 (0xFFCBAD65)
YUV	173.7620, -35.8717, 25.6417
Hunter-Lab	66.0750, -2.0302, 29.5784

Details

The CIELCh color **72, 40.822, 87.637** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **55, 41.709, 283.090**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 39.975, 91.173**, and **52, 40.693, 87.420** is the 20% darker color. If you saturate the color by 10%, you get **70, 48.832, 86.227**, and if you desaturate by 10%, it is **74, 32.602, 89.009**.

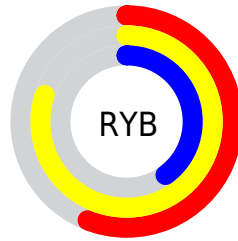
Distribution



Red (80%)

Green (68%)

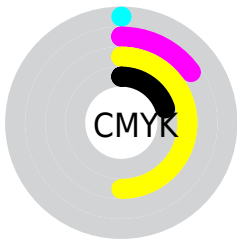
Blue (40%)



Red (56%)

Yellow (80%)

Blue (40%)

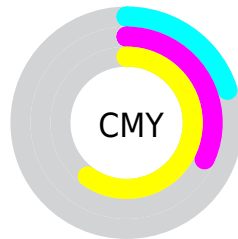


Cyan (0%)

Magenta (15%)

Yellow (50%)

Black (20%)



Cyan (20%)

Magenta (32%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 40.822, 87.637 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 72, 40.822, 87.637 by changing the saturation by 10% instead.

■ 72, 40.822, 87.637

■ 72, 40.822, 87.637

■ 100, 40.822,
87.637

■ 62, 40.822, 87.637

■ 92, 40.822, 87.637

■ 52, 40.822, 87.637

■ 42, 40.822, 87.637

■ 32, 40.822, 87.637

■ 22, 40.822, 87.637

■ 12, 40.822, 87.637

■ 2, 40.822, 87.637

■ 0, 40.822, 87.637

■ 72, 40.822, 87.637

■ 72, 40.822, 87.637

70, 48.832, 86.227

74, 32.602, 89.009

69, 56.309, 84.741

76, 24.352, 90.339

67, 62.722, 83.125

78, 16.165, 91.629

65, 67.334, 81.270

80, 8.090, 92.870

64, 69.874, 79.152

82, 0.145, 92.611

84, 7.664, 275.300

86, 15.339,
276.399

88, 18.501,
273.181

89, 16.306,
262.640

Harmonies

Complementary

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



72, 40.822, 87.637



55, 41.709, 283.090

Rectangle

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



72, 40.822, 87.637



72, 40.822, 137.637



72, 40.822, 267.637



72, 40.822, 317.637

Sweetspot

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



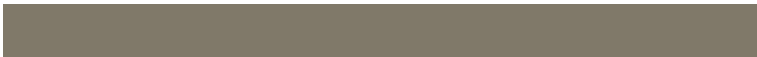
72, 40.823, 87.641



96, 14.372, 92.257



56, 43.713, 2.698



51, 9.823, 91.990



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 40.823, 87.641



86, 58.486, 86.140



78, 52.929, 114.665



42, 4.510, 92.966



53, 60.090, 79.550



11, 15.921, 82.964

Inverse Universe

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



55, 41.709, 283.090



62, 60.732, 285.990



49, 59.981, 302.754



40, 4.527, 275.355



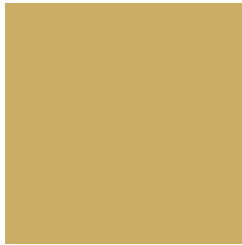
27, 74.583, 298.363



3, 18.843, 283.697

Previews

White Background



This preview shows how the CIELCh color 72, 40.822, 87.637 looks on a white background.

Color Contrast Check

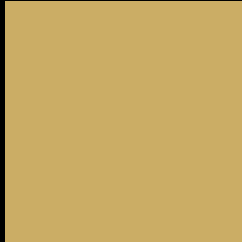
Large Text (above 18pt) WCAG AA × Fail

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 72, 40.822, 87.637 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 72, 40.822, 87.637

Background



This preview shows how black text looks on a background with the CIELCh color 72, 40.822, 87.637.



This preview shows how white text looks on a background with the CIELCh color 72, 40.822, 87.637.

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

72, 40.822, 87.637

Protanopia

72, 40.590, 95.779

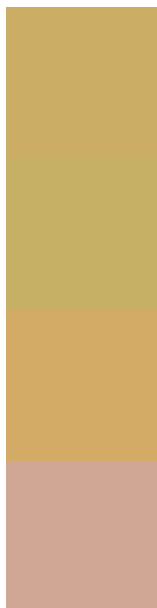
Deuteranopia

72, 41.717, 77.677



Tritanopia
72, 18.954, 359.439

Trichromacy



Original Color
72, 40.822, 87.637

Protanomaly
72, 40.516, 93.274

Deuteranomaly
72, 41.255, 81.397

Tritanomaly
72, 19.473, 50.414

Monochromacy



Original Color
72, 40.822, 87.637

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 14.780, 91.433

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 40.822, 87.637 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(203, 173, 101)` looks like.

```
.text, #text, p{  
    color:rgb(203, 173, 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(203, 173, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 173, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 40.822, 87.637 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(203, 173, 101) }
```

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

```
.border{ border-color:rgb(203, 173, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 173, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 173, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 173, 101);  
box-shadow:4px 4px 4px 4px rgb(203, 173,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 40.822, 87.637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 173, 101) }
```

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

```
.background{ background-color: rgb(203,  
173, 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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