

Converting Colors

CIELCh(72, 62.127, 81.949)

Have a look what the booklet for
CIELCh(72, 62.127, 81.949) contains.

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Color

CIELCh(72, 62.115, 82.002)

Conversions

Conversions Part 1

Format	Color
Hex	DCA839
RGB	220, 168, 57
RGB Percent	86%, 66%, 22%
CMY	0.1361, 0.3401, 0.7754
CMYK	0.00, 0.24, 0.74, 0.14
HSL	41°, 70%, 54%
HSV	41°, 74%, 86%
XYZ	44.3982, 43.6590, 9.9927
YIQ	170.8940, 66.6230, -23.4970

Conversions

Conversions Part 2

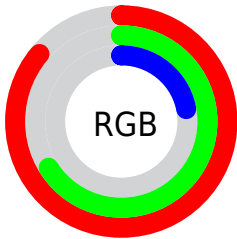
Format	Color
RYB	133, 220, 57
Decimal	14460985
CIELab	72.00, 8.64, 61.51
CIELCh	72, 62.115, 82.002
Yxy	43.6590, 0.4528, 0.4453
Android (android.graphics.Color)	4292651065 (0xFFDCA839)
YUV	170.8940, -56.1497, 43.0660
Hunter-Lab	66.0750, 4.3095, 37.2859

Details

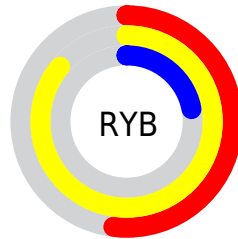
The CIELCh color **72, 62.115, 82.002** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **48, 65.234, 288.659**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 58.079, 92.023**, and **52, 59.006, 80.964** is the 20% darker color. If you saturate the color by 10%, you get **70, 68.404, 80.222**, and if you desaturate by 10%, it is **74, 54.448, 83.590**.

Distribution



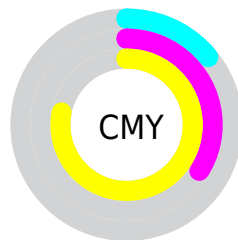
- Red (86%)
- Green (66%)
- Blue (22%)



- Red (52%)
- Yellow (86%)
- Blue (22%)



- Cyan (0%)
- Magenta (24%)
- Yellow (74%)
- Black (14%)



- Cyan (14%)
- Magenta (34%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 62.115, 82.002 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, 62.115, 82.002 by changing the saturation by 10% instead.

72, 62.115, 82.002

72, 62.115, 82.002

100, 62.115,
82.002

62, 62.115, 82.002

92, 62.115, 82.002

52, 62.115, 82.002

42, 62.115, 82.002

32, 62.115, 82.002

22, 62.115, 82.002

12, 62.115, 82.002

2, 62.115, 82.002

0, 62.115, 82.002

72, 62.115, 82.002

72, 62.115, 82.002

70, 68.404, 80.222

74, 54.448, 83.590

68, 72.472, 78.082

76, 46.080, 85.069

67, 73.957, 76.635

78, 37.430, 86.487

80, 28.731, 87.861

82, 20.106, 89.193

85, 11.614, 90.481

87, 3.280, 91.679

89, 4.890, 273.011

92, 12.641,
273.733

Harmonies

Complementary

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



72, 62.115, 82.002



48, 65.234, 288.659

Rectangle

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



72, 62.115, 82.002



72, 62.115, 132.002



72, 62.115, 262.002



72, 62.115, 312.002

Sweetspot

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



72, 62.114, 82.005



94, 20.715, 89.432



51, 66.000, 6.691



50, 13.954, 89.074



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, 62.114, 82.005



79, 79.359, 79.052



83, 77.416, 112.183



45, 4.668, 91.048



54, 61.891, 77.120



13, 19.688, 80.058

Inverse Universe

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



48, 65.234, 288.659



48, 90.044, 294.246



38, 96.290, 305.139



43, 4.674, 273.498



29, 74.538, 297.206



5, 22.980, 286.036

Previews

White Background



This preview shows how the CIELCh color 72, 62.115, 82.002 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 CIELCh color 72, 62.115, 82.002 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, 62.115, 82.002

Background



This preview shows how black text looks on a background with the CIELCh color 72, 62.115, 82.002.



This preview shows how white text looks on a background with the CIELCh color 72, 62.115, 82.002.

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, 62.115, 82.002

Protanopia

72, 60.033, 95.255

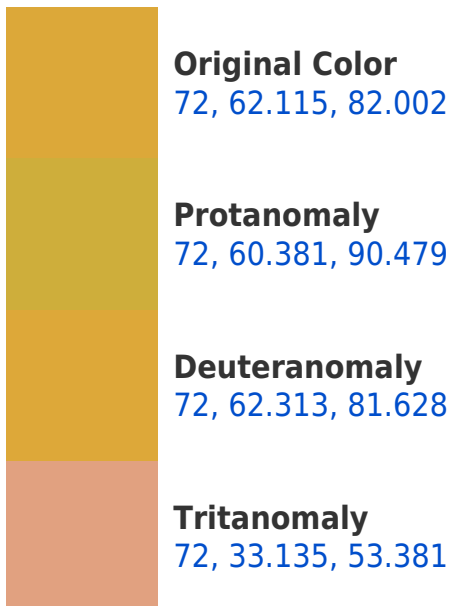
Deuteranopia

72, 62.313, 81.628

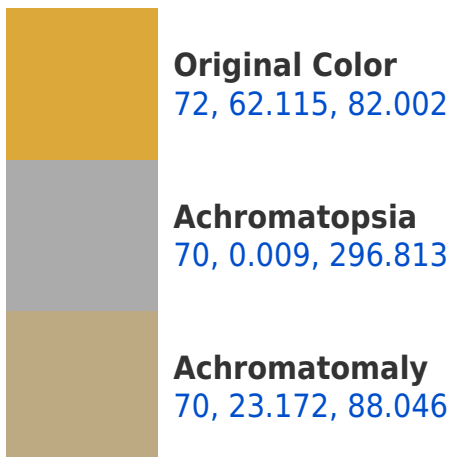


Tritanopia
72, 28.457, 9.128

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 62.115, 82.002 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(220, 168, 57)` looks like.

```
.text, #text, p{  
    color:rgb(220, 168, 57)  
}
```

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(220, 168, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 168, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 62.115, 82.002 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(220, 168, 57) }
```

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

```
.border{ border-color:rgb(220, 168, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 168, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 168, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 168, 57);  
box-shadow:4px 4px 4px 4px rgb(220, 168,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 62.115, 82.002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 168, 57) }
```

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

```
.background{ background-color: rgb(220,  
168, 57) }
```

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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