

Converting Colors

CIELCh(63, 55.280, 73.057)

Have a look what the booklet for
CIELCh(63, 55.280, 73.057) contains.

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Color

CIELCh(63, 55.140, 73.257)

Conversions

Conversions Part 1

Format	Color
Hex	CA8C37
RGB	202, 140, 55
RGB Percent	79%, 55%, 22%
CMY	0.2079, 0.4510, 0.7843
CMYK	0.00, 0.31, 0.73, 0.21
HSL	35°, 58%, 50%
HSV	35°, 73%, 79%
XYZ	34.4230, 31.5869, 7.8966
YIQ	148.8480, 64.2370, -13.2910

Conversions

Conversions Part 2

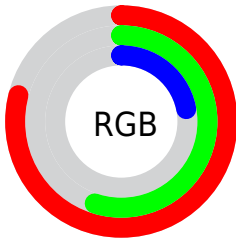
Format	Color
RYB	162, 202, 55
Decimal	13274167
CIELab	63.00, 15.88, 52.80
CIElCh	63, 55.140, 73.257
Yxy	31.5869, 0.4658, 0.4274
Android (android.graphics.Color)	4291464247 (0xFFCA8C37)
YUV	148.8480, -46.2671, 46.6143
Hunter-Lab	56.2022, 10.9745, 31.0112

Details

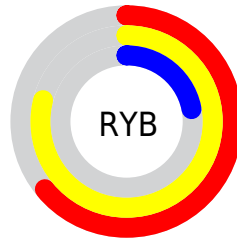
The CIELCh color **63, 55.140, 73.257** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **49, 50.742, 280.241**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 53.083, 76.322**, and **43, 53.637, 72.833** is the 20% darker color. If you saturate the color by 10%, you get **61, 61.968, 71.424**, and if you desaturate by 10%, it is **65, 47.478, 74.853**.

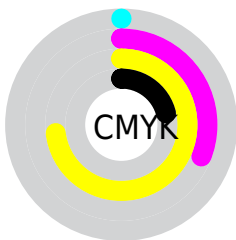
Distribution



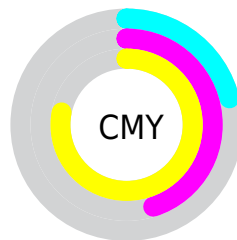
- Red (79%)
- Green (55%)
- Blue (22%)



- Red (64%)
- Yellow (79%)
- Blue (22%)



- Cyan (0%)
- Magenta (31%)
- Yellow (73%)
- Black (21%)



- Cyan (21%)
- Magenta (45%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 55.140, 73.257 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 63, 55.140, 73.257 by changing the saturation by 10% instead.

■ 63, 55.140, 73.257

■ 63, 55.140, 73.257

■ 100, 55.140,
73.257

■ 53, 55.140, 73.257

■ 83, 55.140, 73.257

■ 43, 55.140, 73.257

■ 93, 55.140, 73.257

■ 33, 55.140, 73.257

■ 23, 55.140, 73.257

■ 13, 55.140, 73.257

■ 3, 55.140, 73.257

■ 0, 55.140, 73.257

■ 63, 55.140, 73.257

■ 63, 55.140, 73.257

■ 61, 61.968, 71.424

■ 65, 47.478, 74.853

59, 67.126, 69.116

68, 39.534, 76.327

57, 69.794, 67.169

70, 31.603, 77.739

73, 23.832, 79.111

75, 16.283, 80.448

78, 8.977, 81.742

81, 1.910, 82.887

83, 4.931, 264.340

86, 11.566,
265.488

Harmonies

Complementary

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



63, 55.140, 73.257



49, 50.742, 280.241

Rectangle

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



63, 55.140, 73.257



63, 55.140, 123.257



63, 55.140, 253.257



63, 55.140, 303.257

Sweetspot

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



63, 55.139, 73.260



93, 18.991, 80.510



48, 61.902, 358.257



49, 12.820, 80.147



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 55.139, 73.260



74, 77.509, 70.251



78, 70.717, 107.208



42, 3.995, 82.162



48, 60.180, 67.709



9, 14.579, 67.956

Inverse Universe

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



49, 50.742, 280.241



55, 73.899, 286.317



34, 88.911, 303.297



41, 3.953, 264.691



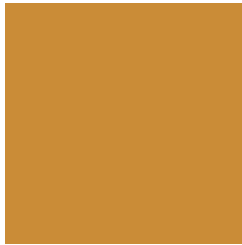
32, 60.330, 290.482



5, 16.618, 277.174

Previews

White Background



This preview shows how the CIELCh color 63, 55.140, 73.257 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 63, 55.140, 73.257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

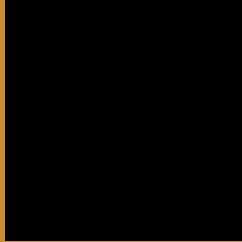
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 55.140, 73.257

Background



This preview shows how black text looks on a background with the CIELCh color 63, 55.140, 73.257.



This preview shows how white text looks on a background with the CIELCh color 63, 55.140, 73.257.

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

63, 55.140, 73.257

Protanopia

63, 50.303, 95.767

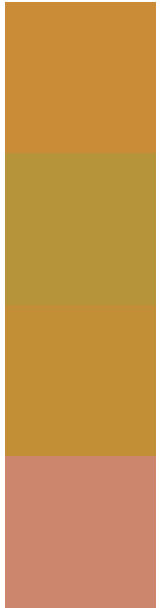
Deuteranopia

63, 53.900, 81.201



Tritanopia
63, 31.312, 12.832

Trichromacy



Original Color
63, 55.140, 73.257

Protanomaly
63, 50.740, 86.722

Deuteranomaly
63, 54.080, 78.104

Tritanomaly
63, 34.410, 44.538

Monochromacy



Original Color
63, 55.140, 73.257

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 19.782, 79.955

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 55.140, 73.257 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(202, 140, 55)` looks like.

```
.text, #text, p{  
    color:rgb(202, 140, 55)  
}
```

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(202, 140, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 140, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 55.140, 73.257 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(202, 140, 55) }
```

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

```
.border{ border-color:rgb(202, 140, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 140, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 140, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 140, 55);  
box-shadow:4px 4px 4px 4px rgb(202, 140,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 55.140, 73.257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 140, 55) }
```

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

```
.background{ background-color: rgb(202,  
140, 55) }
```

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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