

Converting Colors

CIELCh(62, 56.255, 72.439)

Have a look what the booklet for
CIELCh(62, 56.255, 72.439) contains.

CIELCh(62, 56.214, 72.500)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(62, 56.214, 72.500)

Conversions

Conversions Part 1

Format	Color
Hex	C98933
RGB	201, 137, 51
RGB Percent	79%, 54%, 20%
CMY	0.2132, 0.4640, 0.8013
CMYK	0.00, 0.32, 0.75, 0.21
HSL	34°, 60%, 49%
HSV	34°, 75%, 79%
XYZ	33.4781, 30.4025, 7.1985
YIQ	146.3320, 65.7500, -13.1780

Conversions

Conversions Part 2

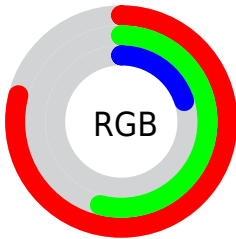
Format	Color
RYB	163, 201, 51
Decimal	13207859
CIELab	62.00, 16.90, 53.61
CIElCh	62, 56.214, 72.500
Yxy	30.4025, 0.4710, 0.4277
Android (android.graphics.Color)	4291397939 (0xFFC98933)
YUV	146.3320, -46.9987, 47.9438
Hunter-Lab	55.1385, 11.8865, 30.8565

Details

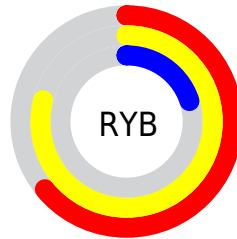
The CIELCh color **62, 56.214, 72.500** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **48, 51.469, 280.551**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 54.260, 74.663**, and **42, 53.419, 71.322** is the 20% darker color. If you saturate the color by 10%, you get **60, 62.796, 70.601**, and if you desaturate by 10%, it is **64, 48.678, 74.125**.

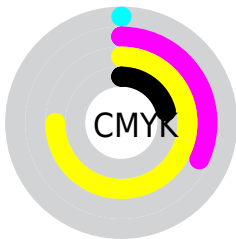
Distribution



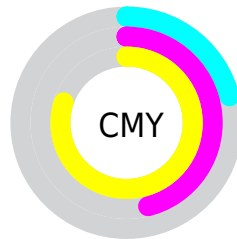
- Red (79%)
- Green (54%)
- Blue (20%)



- Red (64%)
- Yellow (79%)
- Blue (20%)



- Cyan (0%)
- Magenta (32%)
- Yellow (75%)
- Black (21%)



- Cyan (21%)
- Magenta (46%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 56.214, 72.500 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 62, 56.214, 72.500 by changing the saturation by 10% instead.

62, 56.214, 72.500

62, 56.214, 72.500

100, 56.214,
72.500

52, 56.214, 72.500

82, 56.214, 72.500

42, 56.214, 72.500

92, 56.214, 72.500

32, 56.214, 72.500

22, 56.214, 72.500

12, 56.214, 72.500

2, 56.214, 72.500

0, 56.214, 72.500

62, 56.214, 72.500

62, 56.214, 72.500

60, 62.796, 70.601

64, 48.678, 74.125

■ 58, 67.554, 68.166

■ 67, 40.791, 75.611

■ 57, 69.513, 66.758

■ 69, 32.886, 77.027

■ 72, 25.128, 78.402

■ 74, 17.591, 79.743

■ 77, 10.299, 81.044

■ 80, 3.251, 82.257

■ 82, 3.566, 263.677

■ 85, 10.171,
264.813

Harmonies

Complementary

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



62, 56.214, 72.500



48, 51.469, 280.551

Rectangle

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



62, 56.214, 72.500



62, 56.214, 122.500



62, 56.214, 252.500



62, 56.214, 302.500

Sweetspot

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



62, 56.213, 72.503



93, 18.924, 80.063



47, 62.642, 358.812



49, 12.777, 79.700



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



62, 56.213, 72.503



73, 79.266, 69.090



78, 71.621, 107.131



41, 3.897, 81.717



47, 59.548, 67.331



8, 13.158, 66.870

Inverse Universe

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



48, 51.469, 280.551



54, 75.964, 287.191



33, 90.795, 303.635



40, 3.853, 264.239



32, 59.052, 290.067



4, 15.211, 275.840

Previews

White Background



This preview shows how the CIELCh color 62, 56.214, 72.500 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 62, 56.214, 72.500 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 62, 56.214, 72.500

Background



This preview shows how black text looks on a background with the CIELCh color 62, 56.214, 72.500.



This preview shows how white text looks on a background with the CIELCh color 62, 56.214, 72.500.

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

62, 56.214, 72.500

Protanopia

62, 51.286, 95.179

Deuteranopia

62, 54.534, 81.752



Tritanopia
62, 32.249, 13.280

Trichromacy



Original Color
62, 56.214, 72.500

Protanomaly
62, 51.819, 86.264

Deuteranomaly
62, 54.937, 78.264

Tritanomaly
62, 35.726, 44.782

Monochromacy



Original Color
62, 56.214, 72.500

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 20.581, 79.458

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 56.214, 72.500 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(201, 137, 51)` looks like.

```
.text, #text, p{  
    color:rgb(201, 137, 51)  
}
```

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(201, 137, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 137, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 56.214, 72.500 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(201, 137, 51) }
```

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

```
.border{ border-color:rgb(201, 137, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 137, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 137, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 137, 51);  
box-shadow:4px 4px 4px 4px rgb(201, 137,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 56.214, 72.500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 137, 51) }
```

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

```
.background{ background-color: rgb(201,  
137, 51) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor