

Converting Colors

CIELCh(62, 44.368, 63.097)

Have a look what the booklet for
CIELCh(62, 44.368, 63.097) contains.

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Color

CIELCh(62, 44.438, 63.066)

Conversions

Conversions Part 1

Format	Color
Hex	CA8750
RGB	202, 135, 80
RGB Percent	79%, 53%, 31%
CMY	0.2084, 0.4711, 0.6868
CMYK	0.00, 0.33, 0.60, 0.21
HSL	27°, 53%, 55%
HSV	27°, 60%, 79%
XYZ	34.4038, 30.4025, 11.6195
YIQ	148.7630, 57.5870, -2.9010

Conversions

Conversions Part 2

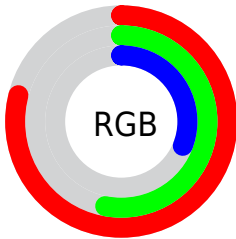
Format	Color
R_{YB}	202, 180, 80
Decimal	13272912
CIE _{Lab}	62.00, 20.13, 39.62
CIE _{LCh}	62, 44.438, 63.066
Yxy	30.4025, 0.4502, 0.3978
Android (android.graphics.Color)	4291462992 (0xFFCA8750)
YUV	148.7630, -33.9002, 46.6888
Hunter-Lab	55.1385, 14.8831, 26.1026

Details

The CIELCh color **62, 44.438, 63.066** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **59, 35.073, 262.274**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 42.084, 65.208**, and **42, 44.495, 63.199** is the 20% darker color. If you saturate the color by 10%, you get **59, 52.843, 61.896**, and if you desaturate by 10%, it is **65, 36.163, 64.190**.

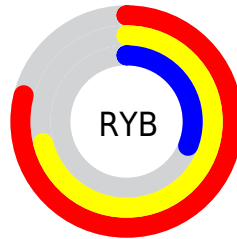
Distribution



Red (79%)

Green (53%)

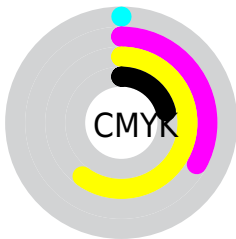
Blue (31%)



Red (79%)

Yellow (71%)

Blue (31%)

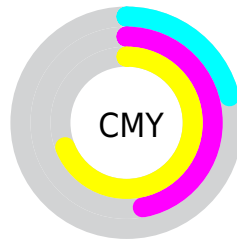


Cyan (0%)

Magenta (33%)

Yellow (60%)

Black (21%)



Cyan (21%)

Magenta (47%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 44.438, 63.066 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, 44.438, 63.066 by changing the saturation by 10% instead.

■ 62, 44.438, 63.066

■ 62, 44.438, 63.066

■ 100, 44.438,
63.066

■ 52, 44.438, 63.066

■ 82, 44.438, 63.066

■ 42, 44.438, 63.066

■ 92, 44.438, 63.066

■ 32, 44.438, 63.066

■ 22, 44.438, 63.066

■ 12, 44.438, 63.066

■ 2, 44.438, 63.066

■ 0, 44.438, 63.066

■ 62, 44.438, 63.066

■ 62, 44.438, 63.066

■ 59, 52.843, 61.896

■ 65, 36.163, 64.190

57, 60.964, 60.542

68, 28.208, 65.305

54, 68.007, 58.737

71, 20.642, 66.431

52, 73.209, 56.483

74, 13.475, 67.562

78, 6.692, 68.675

81, 0.262, 68.310

85, 5.850, 251.063

88, 11.679,
252.124

91, 14.855,
244.443

Harmonies

Complementary

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



62, 44.438, 63.066



59, 35.073, 262.274

Rectangle

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



62, 44.438, 63.066



62, 44.438, 113.066



62, 44.438, 243.066



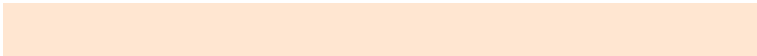
62, 44.438, 293.066

Sweetspot

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



62, 44.437, 63.070



93, 14.268, 67.808



52, 56.605, 347.548



48, 9.996, 67.475



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, 44.437, 63.070



72, 66.556, 61.443



78, 58.656, 102.137



41, 3.661, 68.786



43, 63.001, 57.061



7, 14.431, 51.793

Inverse Universe

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



59, 35.073, 262.274



68, 50.085, 267.297



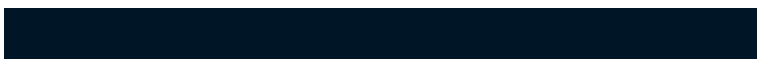
42, 69.263, 297.941



41, 3.556, 251.140



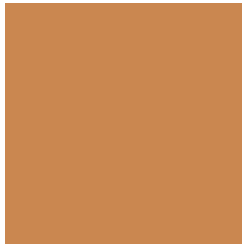
38, 47.000, 278.387



6, 14.237, 266.321

Previews

White Background



This preview shows how the CIELCh color 62, 44.438, 63.066 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, 44.438, 63.066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

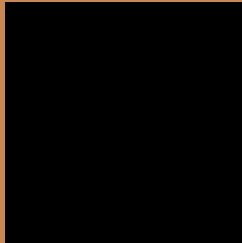
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 44.438, 63.066

Background



This preview shows how black text looks on a background with the CIELCh color 62, 44.438, 63.066.



This preview shows how white text looks on a background with the CIELCh color 62, 44.438, 63.066.

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, 44.438, 63.066

Protanopia

62, 36.276, 95.545

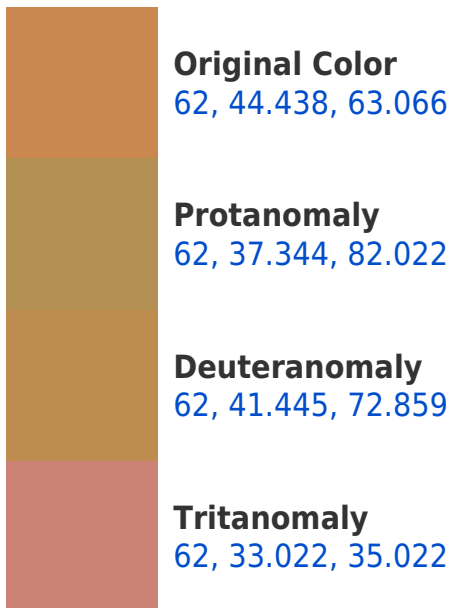
Deuteranopia

62, 40.853, 78.850



Tritanopia
62, 32.249, 13.280

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 44.438, 63.066 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, 135, 80)` looks like.

```
.text, #text, p{  
    color:rgb(202, 135, 80)  
}
```

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, 135, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 135, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 44.438, 63.066 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, 135, 80) }
```

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

```
.border{ border-color:rgb(202, 135, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 135, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 135, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 135, 80);  
box-shadow:4px 4px 4px 4px rgb(202, 135,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 44.438, 63.066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 135, 80) }
```

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

```
.background{ background-color: rgb(202,  
135, 80) }
```

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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