

Converting Colors

CIELCh(49, 62.240, 33.615)

Have a look what the booklet for
CIELCh(49, 62.240, 33.615) contains.

CIELCh(49, 62.130, 33.662)	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(49, 62.130, 33.662)

Conversions

Conversions Part 1

Format	Color
Hex	CB473D
RGB	203, 71, 61
RGB Percent	80%, 28%, 24%
CMY	0.2031, 0.7208, 0.7602
CMYK	0.00, 0.65, 0.70, 0.20
HSL	4°, 58%, 52%
HSV	4°, 70%, 80%
XYZ	27.7965, 17.5941, 6.3675
YIQ	109.3280, 81.8820, 24.8740

Conversions

Conversions Part 2

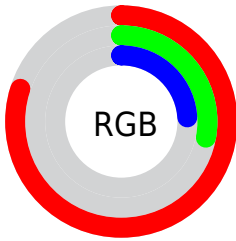
Format	Color
RYB	203, 72, 61
Decimal	13322045
CIELab	49.00, 51.71, 34.44
CIElCh	49, 62.130, 33.662
Yxy	17.5941, 0.5370, 0.3399
Android (android.graphics.Color)	4291512125 (0xFFCB473D)
YUV	109.3280, -23.8257, 82.1503
Hunter-Lab	41.9453, 44.8849, 20.3611

Details

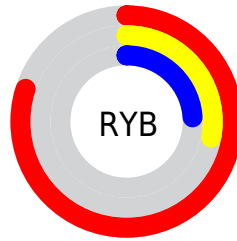
The CIELCh color **49, 62.130, 33.662** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **72, 35.212, 205.916**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 57.552, 34.118**, and **29, 62.118, 33.510** is the 20% darker color. If you saturate the color by 10%, you get **46, 72.027, 36.233**, and if you desaturate by 10%, it is **53, 51.958, 31.458**.

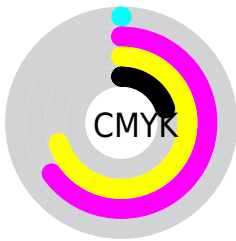
Distribution



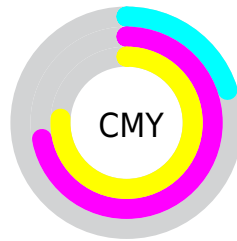
- Red (80%)
- Green (28%)
- Blue (24%)



- Red (80%)
- Yellow (28%)
- Blue (24%)



- Cyan (0%)
- Magenta (65%)
- Yellow (70%)
- Black (20%)



- Cyan (20%)
- Magenta (72%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 62.130, 33.662 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 49, 62.130, 33.662 by changing the saturation by 10% instead.

 49, 62.130, 33.662  49, 62.130, 33.662

 100, 62.130,
33.662  39, 62.130, 33.662

 69, 62.130, 33.662  29, 62.130, 33.662


 79, 62.130, 33.662  19, 62.130, 33.662

 89, 62.130, 33.662  9, 62.130, 33.662

 99, 62.130, 33.662  0, 62.130, 33.662

 49, 62.130, 33.662  49, 62.130, 33.662

 46, 72.027, 36.233  53, 51.958, 31.458

 44, 80.770, 38.740  57, 41.951, 29.702

■ 43, 87.105, 40.663

■ 61, 32.359, 28.359

■ 43, 87.162, 40.687

■ 66, 23.324, 27.351

■ 71, 14.909, 26.602

■ 76, 7.122, 26.028

■ 82, 0.066, 214.308

■ 87, 6.699, 205.546

■ 93, 12.836,
205.327

Harmonies

Complementary

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



49, 62.130, 33.662



72, 35.212, 205.916

Rectangle

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



49, 62.130, 33.662



49, 62.130, 83.662



49, 62.130, 213.662



49, 62.130, 263.662

Sweetspot

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



49, 62.127, 33.665



87, 19.018, 26.693



52, 80.567, 330.006



44, 13.019, 26.888



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 62.127, 33.665



56, 91.148, 37.596



64, 53.108, 72.671



40, 4.083, 26.001



35, 74.588, 40.741



4, 17.181, 23.041

Inverse Universe

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



72, 35.212, 205.916



87, 44.855, 207.003



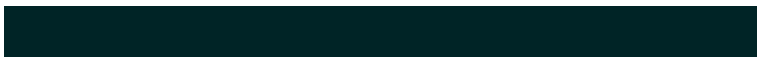
51, 48.040, 278.155



42, 3.843, 205.540



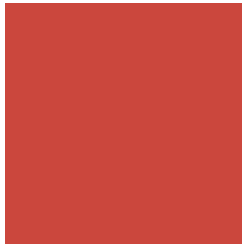
58, 33.214, 208.367



12, 12.561, 205.696

Previews

White Background



This preview shows how the CIELCh color 49, 62.130, 33.662 looks on a white 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 × Fail

Black Background



This preview shows how the CIELCh color 49, 62.130, 33.662 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 × Fail

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

CIELCh 49, 62.130, 33.662

Background



This preview shows how black text looks on a background with the CIELCh color 49, 62.130, 33.662.



This preview shows how white text looks on a background with the CIELCh color 49, 62.130, 33.662.

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

49, 62.130, 33.662

Protanopia

49, 23.603, 95.947

Deuteranopia

49, 36.941, 79.421



Tritanopia
49, 60.211, 27.222

Trichromacy



Original Color
49, 62.130, 33.662

Protanomaly
48, 31.812, 53.355

Deuteranomaly
48, 42.089, 54.747

Tritanomaly
49, 60.814, 29.568

Monochromacy



Original Color
49, 62.130, 33.662

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 21.603, 28.346

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 62.130, 33.662 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, 71, 61)` looks like.

```
.text, #text, p{  
    color:rgb(203, 71, 61)  
}
```

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, 71, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 71, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 62.130, 33.662 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, 71, 61) }
```

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

```
.border{ border-color:rgb(203, 71, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 71, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 71, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 71, 61);  
box-shadow:4px 4px 4px 4px rgb(203, 71,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 62.130, 33.662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 71, 61) }
```

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

```
.background{ background-color: rgb(203, 71,  
61) }
```

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