

Converting Colors

CIELCh(41, 42.436, 31.401)

Have a look what the booklet for
CIELCh(41, 42.436, 31.401) contains.

CIELCh(41, 42.836, 31.548)	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(41, 42.836, 31.548)

Conversions

Conversions Part 1

Format	Color
Hex	9E453E
RGB	158, 69, 62
RGB Percent	62%, 27%, 24%
CMY	0.3806, 0.7295, 0.7570
CMYK	0.00, 0.56, 0.61, 0.38
HSL	4°, 44%, 43%
HSV	4°, 61%, 62%
XYZ	17.0873, 11.8645, 5.9425
YIQ	94.8130, 55.2910, 16.6910

Conversions

Conversions Part 2

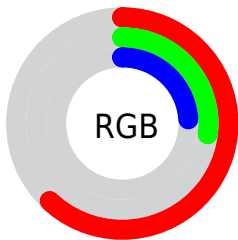
Format	Color
R_{YB}	158, 70, 62
Decimal	10372414
CIE _{Lab}	41.00, 36.50, 22.41
CIE _{LCh}	41, 42.836, 31.548
Yxy	11.8645, 0.4897, 0.3400
Android (android.graphics.Color)	4288562494 (0xFF9E453E)
YUV	94.8130, -16.1768, 55.4150
Hunter-Lab	34.4449, 28.2711, 13.8826

Details

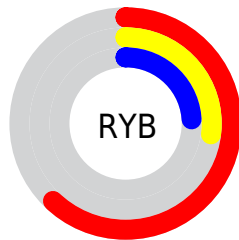
The CIELCh color **41, 42.836, 31.548** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **58, 26.739, 205.758**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 42.919, 31.276**, and **21, 42.466, 31.369** is the 20% darker color. If you saturate the color by 10%, you get **38, 51.117, 33.680**, and if you desaturate by 10%, it is **44, 34.694, 29.853**.

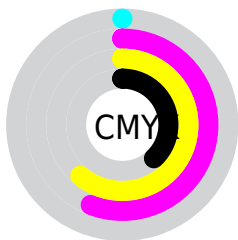
Distribution



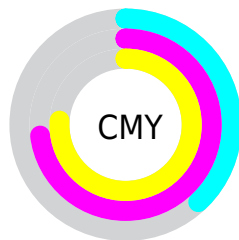
- Red (62%)
- Green (27%)
- Blue (24%)



- Red (62%)
- Yellow (27%)
- Blue (24%)



- Cyan (0%)
- Magenta (56%)
- Yellow (61%)
- Black (38%)



- Cyan (38%)
- Magenta (73%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 42.836, 31.548 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 41, 42.836, 31.548 by changing the saturation by 10% instead.

■ 41, 42.836, 31.548

■ 41, 42.836, 31.548

■ 100, 42.836,
31.548

■ 31, 42.836, 31.548

■ 61, 42.836, 31.548

■ 21, 42.836, 31.548

■ 71, 42.836, 31.548

■ 11, 42.836, 31.548

■ 81, 42.836, 31.548

■ 1, 42.836, 31.548

■ 91, 42.836, 31.548

■ 0, 42.836, 31.548

■ 41, 42.836, 31.548

■ 41, 42.836, 31.548

■ 38, 51.117, 33.680

■ 44, 34.694, 29.853

■ 36, 59.210, 36.162

■ 48, 26.889, 28.548

■ 34, 66.449, 38.624

■ 52, 19.531, 27.565

■ 33, 71.760, 40.691

■ 56, 12.670, 26.833

■ 60, 6.310, 26.272

■ 65, 0.433, 24.893

■ 69, 5.000, 205.804

■ 74, 10.031,
205.581

■ 78, 14.704,
205.454

Harmonies

Complementary

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



41, 42.836, 31.548



58, 26.739, 205.758

Rectangle

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



41, 42.836, 31.548



41, 42.836, 81.548



41, 42.836, 211.548



41, 42.836, 261.548

Sweetspot

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



41, 42.834, 31.551



73, 13.530, 26.685



43, 59.587, 329.544



37, 9.582, 26.855



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



41, 42.834, 31.551



49, 66.047, 34.558



52, 37.370, 74.243



31, 3.296, 26.194



30, 66.105, 40.373



1, 4.182, 25.581

Inverse Universe

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



58, 26.739, 205.758



73, 36.285, 206.433



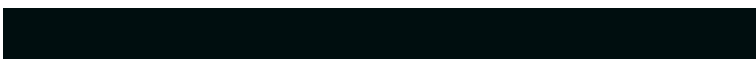
43, 33.977, 274.660



33, 3.109, 205.778



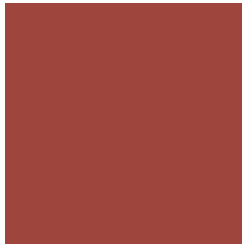
50, 29.734, 208.624



3, 4.108, 207.515

Previews

White Background



This preview shows how the CIELCh color 41, 42.836, 31.548 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 CIE LCh color 41, 42.836, 31.548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 42.836, 31.548

Background



This preview shows how black text looks on a background with the CIELCh color 41, 42.836, 31.548.



This preview shows how white text looks on a background with the CIELCh color 41, 42.836, 31.548.

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

41, 42.836, 31.548

Protanopia

41, 14.206, 95.080

Deuteranopia

41, 24.487, 77.392



Tritanopia
41, 41.622, 23.394

Trichromacy



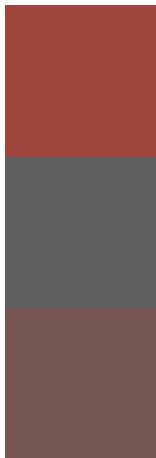
Original Color
41, 42.836, 31.548

Protanomaly
40, 20.588, 50.826

Deuteranomaly
41, 28.940, 52.600

Tritanomaly
41, 42.310, 26.505

Monochromacy



Original Color
41, 42.836, 31.548

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 14.559, 28.489

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 42.836, 31.548 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(158, 69, 62)` looks like.

```
.text, #text, p{  
    color:rgb(158, 69, 62)  
}
```

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(158, 69, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 69, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 42.836, 31.548 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(158, 69, 62) }
```

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

```
.border{ border-color:rgb(158, 69, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 69, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 69, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 69, 62);  
box-shadow:4px 4px 4px 4px rgb(158, 69,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 42.836, 31.548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 69, 62) }
```

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

```
.background{ background-color: rgb(158, 69,  
62) }
```

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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