

Converting Colors

CIELCh(40, 44.460, 29.699)

Have a look what the booklet for
CIELCh(40, 44.460, 29.699) contains.

CIELCh(40, 44.836, 29.911)	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(40, 44.836, 29.911)

Conversions

Conversions Part 1

Format	Color
Hex	9E403C
RGB	158, 64, 60
RGB Percent	62%, 25%, 24%
CMY	0.3806, 0.7492, 0.7649
CMYK	0.00, 0.60, 0.62, 0.38
HSL	2°, 45%, 43%
HSV	2°, 62%, 62%
XYZ	16.7353, 11.2510, 5.5588
YIQ	91.6500, 57.3080, 18.6840

Conversions

Conversions Part 2

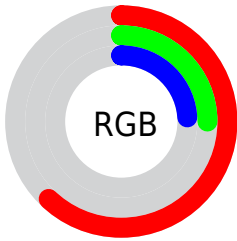
Format	Color
R _Y B	158, 64, 60
Decimal	10371132
CIE Lab	40.00, 38.86, 22.36
CIE LCh	40, 44.836, 29.911
Yxy	11.2510, 0.4989, 0.3354
Android (android.graphics.Color)	4288561212 (0xFF9E403C)
YUV	91.6500, -15.6035, 58.1889
Hunter-Lab	33.5425, 30.3595, 13.6540

Details

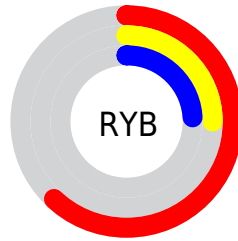
The CIELCh color **40, 44.836, 29.911** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **59, 27.943, 201.686**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 45.028, 30.000**, and **20, 44.755, 29.910** is the 20% darker color. If you saturate the color by 10%, you get **37, 53.102, 32.434**, and if you desaturate by 10%, it is **43, 36.591, 27.889**.

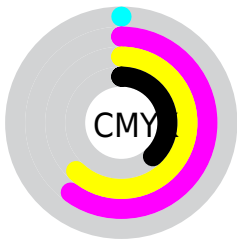
Distribution



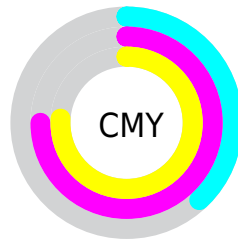
- Red (62%)
- Green (25%)
- Blue (24%)



- Red (62%)
- Yellow (25%)
- Blue (24%)



- Cyan (0%)
- Magenta (60%)
- Yellow (62%)
- Black (38%)



- Cyan (38%)
- Magenta (75%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 44.836, 29.911 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 40, 44.836, 29.911 by changing the saturation by 10% instead.

 40, 44.836, 29.911

 40, 44.836, 29.911

 100, 44.836,
29.911

 30, 44.836, 29.911

 60, 44.836, 29.911

 20, 44.836, 29.911

 70, 44.836, 29.911

 10, 44.836, 29.911

 80, 44.836, 29.911

 0, 44.836, 29.911

 90, 44.836, 29.911

 40, 44.836, 29.911

 40, 44.836, 29.911

 37, 53.102, 32.434

 43, 36.591, 27.889

 35, 61.029, 35.346

 47, 28.605, 26.317

■ 33, 67.888, 38.184

■ 51, 21.019, 25.117

■ 33, 72.189, 40.235

■ 55, 13.910, 24.203

■ 60, 7.304, 23.492

■ 64, 1.189, 22.652

■ 69, 4.466, 202.763

■ 73, 9.703, 202.417

■ 78, 14.567,
202.184

Harmonies

Complementary

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



40, 44.836, 29.911



59, 27.943, 201.686

Rectangle

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



40, 44.836, 29.911



40, 44.836, 79.911



40, 44.836, 209.911



40, 44.836, 259.911

Sweetspot

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



40, 44.834, 29.914



72, 14.766, 23.997



43, 61.921, 328.507



37, 10.353, 24.206



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



40, 44.834, 29.914



48, 68.178, 33.396



51, 37.817, 70.931



31, 3.396, 23.314



29, 66.533, 39.841



1, 4.304, 22.759

Inverse Universe

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



59, 27.943, 201.686



74, 37.705, 201.924



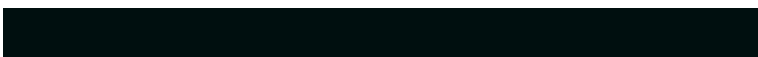
44, 33.033, 271.793



33, 3.205, 202.672



52, 30.824, 202.922



3, 4.256, 203.836

Previews

White Background



This preview shows how the CIELCh color 40, 44.836, 29.911 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 40, 44.836, 29.911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

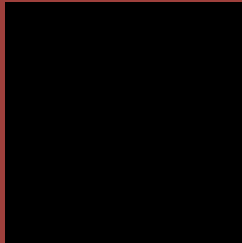
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 44.836, 29.911

Background



This preview shows how black text looks on a background with the CIELCh color 40, 44.836, 29.911.



This preview shows how white text looks on a background with the CIELCh color 40, 44.836, 29.911.

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

40, 44.836, 29.911

Protanopia

40, 13.671, 94.591

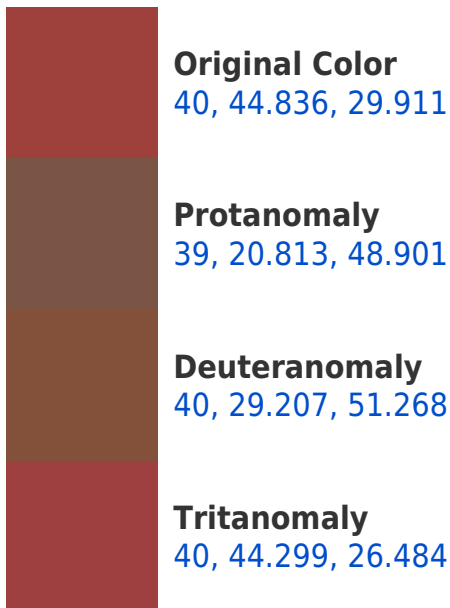
Deuteranopia

40, 25.110, 77.798



Tritanopia
40, 43.749, 24.260

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 44.836, 29.911 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, 64, 60)` looks like.

```
.text, #text, p{  
    color:rgb(158, 64, 60)  
}
```

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, 64, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 64, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 44.836, 29.911 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, 64, 60) }
```

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

```
.border{ border-color:rgb(158, 64, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 64, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 64, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 64, 60);  
box-shadow:4px 4px 4px 4px rgb(158, 64,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 44.836, 29.911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 64, 60) }
```

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

```
.background{ background-color: rgb(158, 64,  
60) }
```

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