

Converting Colors

CIELCh(37, 44.871, 28.521)

Have a look what the booklet for
CIELCh(37, 44.871, 28.521) contains.

CIELCh(37, 44.871, 28.521)	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(37, 44.871, 28.521)

Conversions

Conversions Part 1

Format	Color
Hex	963837
RGB	150, 56, 55
RGB Percent	59%, 22%, 22%
CMY	0.4128, 0.7813, 0.7851
CMYK	0.00, 0.63, 0.63, 0.41
HSL	1°, 46%, 40%
HSV	1°, 63%, 59%
XYZ	14.6157, 9.5379, 4.6592
YIQ	83.9920, 56.3450, 19.6170

Conversions

Conversions Part 2

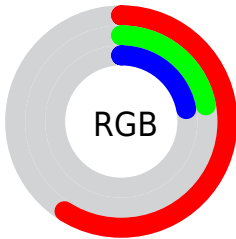
Format	Color
R_{YB}	150, 56, 55
Decimal	9844791
CIE _{Lab}	37.00, 39.43, 21.43
CIE _{LCh}	37, 44.871, 28.521
Yxy	9.5379, 0.5073, 0.3310
Android (android.graphics.Color)	4288034871 (0xFF963837)
YUV	83.9920, -14.2931, 57.8890
Hunter-Lab	30.8835, 30.4293, 12.6737

Details

The CIELCh color **37, 44.871, 28.521** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **57, 28.059, 198.019**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 45.045, 28.310**, and **17, 44.342, 29.315** is the 20% darker color. If you saturate the color by 10%, you get **34, 52.719, 31.411**, and if you desaturate by 10%, it is **40, 36.923, 26.192**.

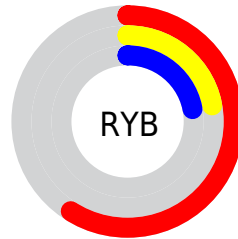
Distribution



Red (59%)

Green (22%)

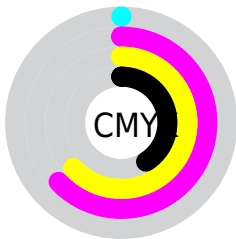
Blue (22%)



Red (59%)

Yellow (22%)

Blue (22%)

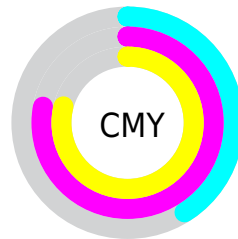


Cyan (0%)

Magenta (63%)

Yellow (63%)

Black (41%)



Cyan (41%)

Magenta (78%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 44.871, 28.521 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 37, 44.871, 28.521 by changing the saturation by 10% instead.

■ 37, 44.871, 28.521

■ 37, 44.871, 28.521

■ 100, 44.871,
28.521

■ 27, 44.871, 28.521

■ 57, 44.871, 28.521

■ 17, 44.871, 28.521

■ 67, 44.871, 28.521

■ 7, 44.871, 28.521

■ 77, 44.871, 28.521

■ 0, 44.871, 28.521

■ 87, 44.871, 28.521

■ 97, 44.871, 28.521

■ 37, 44.871, 28.521

■ 37, 44.871, 28.521

■ 34, 52.719, 31.411

■ 40, 36.923, 26.192

■ 32, 60.102, 34.721

■ 44, 29.130, 24.372

■ 31, 66.280, 37.888

■ 48, 21.664, 22.970

■ 31, 69.572, 39.581

■ 52, 14.626, 21.889

■ 56, 8.061, 21.041

■ 60, 1.970, 20.233

■ 65, 3.670, 200.084

■ 69, 8.897, 199.622

■ 74, 13.752,
199.295

Harmonies

Complementary

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



37, 44.871, 28.521



57, 28.059, 198.019

Rectangle

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



37, 44.871, 28.521



37, 44.871, 78.521



37, 44.871, 208.521



37, 44.871, 258.521

Sweetspot

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



37, 44.869, 28.524



68, 14.429, 21.525



40, 61.696, 327.509



34, 10.001, 21.755



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



37, 44.869, 28.524



44, 67.562, 32.737



47, 36.814, 67.607



29, 3.309, 20.726



28, 64.983, 39.110



1, 2.799, 20.270

Inverse Universe

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



57, 28.059, 198.019



71, 37.571, 197.882



42, 30.784, 268.596



31, 3.126, 199.899



51, 31.244, 197.950



2, 2.799, 200.287

Previews

White Background



This preview shows how the CIELCh color 37, 44.871, 28.521 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 37, 44.871, 28.521 looks on a black 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

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

CIELCh 37, 44.871, 28.521

Background



This preview shows how black text looks on a background with the CIELCh color 37, 44.871, 28.521.

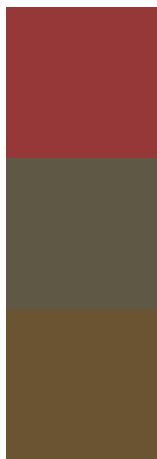


This preview shows how white text looks on a background with the CIELCh color 37, 44.871, 28.521.

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

37, 44.871, 28.521

Protanopia

37, 12.556, 95.430

Deuteranopia

37, 23.888, 78.348



Tritanopia
37, 44.365, 25.063

Trichromacy



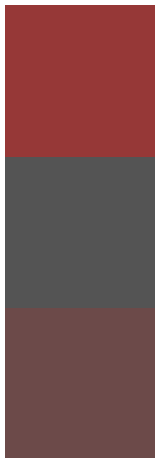
Original Color
37, 44.871, 28.521

Protanomaly
36, 20.236, 44.753

Deuteranomaly
37, 28.564, 49.872

Tritanomaly
37, 44.757, 26.539

Monochromacy



Original Color
37, 44.871, 28.521

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 15.695, 24.092

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 44.871, 28.521 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(150, 56, 55)` looks like.

```
.text, #text, p{  
  color:rgb(150, 56, 55)  
}
```

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(150, 56, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 56, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 44.871, 28.521 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(150, 56, 55) }
```

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

```
.border{ border-color:rgb(150, 56, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 56, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 56, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 56, 55);  
box-shadow:4px 4px 4px 4px rgb(150, 56,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 44.871, 28.521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 56, 55) }
```

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

```
.background{ background-color: rgb(150, 56,  
55) }
```

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