

Converting Colors

CIELCh(37, 52.860, 33.017)

Have a look what the booklet for
CIELCh(37, 52.860, 33.017) contains.

CIELCh(37, 52.963, 33.128)	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, 52.963, 33.128)

Conversions

Conversions Part 1

Format	Color
Hex	9D312B
RGB	157, 49, 43
RGB Percent	62%, 19%, 17%
CMY	0.3843, 0.8078, 0.8314
CMYK	0.00, 0.69, 0.73, 0.38
HSL	3°, 57%, 39%
HSV	3°, 73%, 62%
XYZ	15.4373, 9.5379, 3.3124
YIQ	80.6080, 66.2940, 21.0300

Conversions

Conversions Part 2

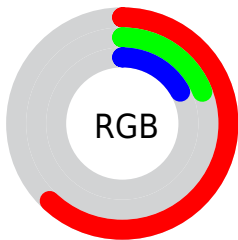
Format	Color
R _Y B	157, 49, 43
Decimal	10301739
CIE Lab	37.00, 44.35, 28.94
CIE LCh	37, 52.963, 33.128
Yxy	9.5379, 0.5457, 0.3372
Android (android.graphics.Color)	4288491819 (0xFF9D312B)
YUV	80.6080, -18.5407, 66.9958
Hunter-Lab	30.8835, 35.1782, 15.2593

Details

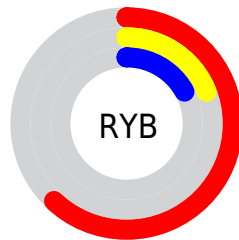
The CIELCh color **37, 52.963, 33.128** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **57, 29.867, 203.464**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 52.745, 33.303**, and **19, 49.207, 35.560** is the 20% darker color. If you saturate the color by 10%, you get **35, 60.861, 35.904**, and if you desaturate by 10%, it is **40, 44.730, 30.712**.

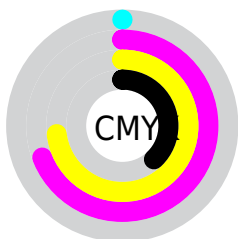
Distribution



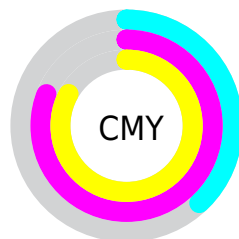
- Red (62%)
- Green (19%)
- Blue (17%)



- Red (62%)
- Yellow (19%)
- Blue (17%)



- Cyan (0%)
- Magenta (69%)
- Yellow (73%)
- Black (38%)



- Cyan (38%)
- Magenta (81%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 52.963, 33.128 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, 52.963, 33.128 by changing the saturation by 10% instead.

■ 37, 52.963, 33.128

■ 37, 52.963, 33.128

■ 100, 52.963,
33.128

■ 27, 52.963, 33.128

■ 57, 52.963, 33.128

■ 17, 52.963, 33.128

■ 67, 52.963, 33.128

■ 7, 52.963, 33.128

■ 77, 52.963, 33.128

■ 0, 52.963, 33.128

■ 87, 52.963, 33.128

■ 97, 52.963, 33.128

■ 37, 52.963, 33.128

■ 37, 52.963, 33.128

■ 35, 60.861, 35.904

■ 40, 44.730, 30.712

33, 67.672, 38.553

43, 36.543, 28.763

33, 71.682, 40.385

47, 28.624, 27.251

51, 21.113, 26.099

55, 14.080, 25.228

59, 7.548, 24.557

64, 1.503, 23.833

68, 4.086, 203.905

73, 9.260, 203.584

Harmonies

Complementary

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



37, 52.963, 33.128



57, 29.867, 203.464

Rectangle

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



37, 52.963, 33.128



37, 52.963, 83.128



37, 52.963, 213.128



37, 52.963, 263.128

Sweetspot

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



37, 52.961, 33.131



70, 16.943, 25.213



40, 68.119, 329.472



35, 11.470, 25.406



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



37, 52.961, 33.131



44, 79.179, 37.579



49, 44.574, 70.923



31, 3.358, 24.357



29, 66.374, 40.038



1, 4.257, 23.782

Inverse Universe

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



57, 29.867, 203.464



72, 38.820, 204.256



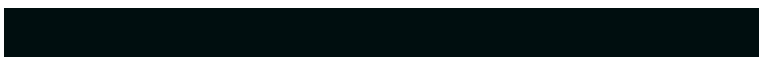
40, 39.386, 277.092



33, 3.168, 203.797



51, 30.392, 204.971



3, 4.199, 205.174

Previews

White Background



This preview shows how the CIELCh color 37, 52.963, 33.128 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 CIELCh color 37, 52.963, 33.128 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, 52.963, 33.128

Background



This preview shows how black text looks on a background with the CIELCh color 37, 52.963, 33.128.



This preview shows how white text looks on a background with the CIELCh color 37, 52.963, 33.128.

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, 52.963, 33.128

Protanopia

37, 19.841, 95.830

Deuteranopia

37, 31.682, 81.770



Tritanopia
37, 51.423, 28.605

Trichromacy



Original Color
37, 52.963, 33.128

Protanomaly
36, 26.776, 53.106

Deuteranomaly
36, 35.488, 54.715

Tritanomaly
37, 52.158, 30.418

Monochromacy



Original Color
37, 52.963, 33.128

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 18.902, 26.203

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 52.963, 33.128 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(157, 49, 43)` looks like.

```
.text, #text, p{  
    color:rgb(157, 49, 43)  
}
```

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(157, 49, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 49, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 52.963, 33.128 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(157, 49, 43) }
```

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

```
.border{ border-color:rgb(157, 49, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 49, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 49, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 49, 43);  
box-shadow:4px 4px 4px 4px rgb(157, 49,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 52.963, 33.128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 49, 43) }
```

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

```
.background{ background-color: rgb(157, 49,  
43) }
```

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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