

Converting Colors

CIELCh(37, 51.458, 32.808)

Have a look what the booklet for
CIELCh(37, 51.458, 32.808) contains.

CIELCh(37, 51.458, 32.808)	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, 51.458, 32.808)

Conversions

Conversions Part 1

Format	Color
Hex	9C332D
RGB	156, 51, 45
RGB Percent	61%, 20%, 18%
CMY	0.3901, 0.8016, 0.8249
CMYK	0.00, 0.67, 0.71, 0.39
HSL	3°, 55%, 39%
HSV	3°, 71%, 61%
XYZ	15.2507, 9.5379, 3.4846
YIQ	81.7110, 64.5060, 20.3940

Conversions

Conversions Part 2

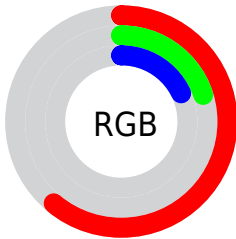
Format	Color
RYB	156, 51, 45
Decimal	10236717
CIELab	37.00, 43.25, 27.88
CIElCh	37, 51.458, 32.808
Yxy	9.5379, 0.5394, 0.3373
Android (android.graphics.Color)	4288426797 (0xFF9C332D)
YUV	81.7110, -18.0985, 65.1515
Hunter-Lab	30.8835, 34.0994, 14.9288

Details

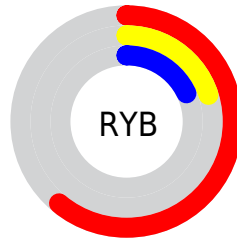
The CIELCh color **37, 51.458, 32.808** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **57, 29.373, 203.526**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 51.563, 32.746**, and **18, 48.773, 35.419** is the 20% darker color. If you saturate the color by 10%, you get **35, 59.375, 35.540**, and if you desaturate by 10%, it is **40, 43.276, 30.465**.

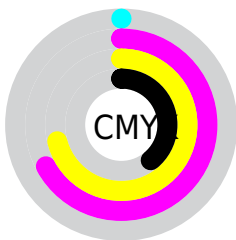
Distribution



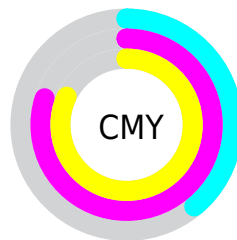
- Red (61%)
- Green (20%)
- Blue (18%)



- Red (61%)
- Yellow (20%)
- Blue (18%)



- Cyan (0%)
- Magenta (67%)
- Yellow (71%)
- Black (39%)



- Cyan (39%)
- Magenta (80%)
- Yellow (82%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 51.458, 32.808 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, 51.458, 32.808 by changing the saturation by 10% instead.

■ 37, 51.458, 32.808

■ 37, 51.458, 32.808

■ 100, 51.458,
32.808

■ 27, 51.458, 32.808

■ 57, 51.458, 32.808

■ 17, 51.458, 32.808

■ 67, 51.458, 32.808

■ 7, 51.458, 32.808

■ 77, 51.458, 32.808

■ 0, 51.458, 32.808

■ 87, 51.458, 32.808

■ 97, 51.458, 32.808

■ 37, 51.458, 32.808

■ 37, 51.458, 32.808

■ 35, 59.375, 35.540

■ 40, 43.276, 30.465

33, 66.361, 38.243

43, 35.179, 28.587

32, 71.133, 40.370

47, 27.373, 27.135

51, 19.984, 26.032

55, 13.076, 25.196

59, 6.664, 24.549

64, 0.733, 23.534

68, 4.752, 203.927

72, 9.832, 203.633

Harmonies

Complementary

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



37, 51.458, 32.808



57, 29.373, 203.526

Rectangle

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



37, 51.458, 32.808



37, 51.458, 82.808



37, 51.458, 212.808



37, 51.458, 262.808

Sweetspot

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



37, 51.456, 32.811



70, 15.931, 25.205



40, 66.829, 329.420



36, 10.979, 25.397



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, 51.456, 32.811



44, 77.525, 37.311



49, 43.411, 71.139



30, 3.264, 24.427



29, 65.383, 39.966



1, 3.414, 24.025

Inverse Universe

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



57, 29.373, 203.526



71, 38.318, 204.316



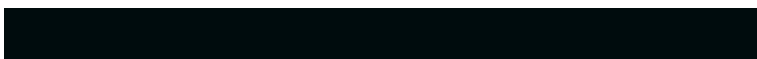
40, 38.374, 276.591



32, 3.081, 203.876



50, 29.971, 205.098



3, 3.390, 204.736

Previews

White Background



This preview shows how the CIELCh color 37, 51.458, 32.808 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, 51.458, 32.808 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, 51.458, 32.808

Background



This preview shows how black text looks on a background with the CIELCh color 37, 51.458, 32.808.



This preview shows how white text looks on a background with the CIELCh color 37, 51.458, 32.808.

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, 51.458, 32.808

Protanopia

37, 18.673, 95.385

Deuteranopia

37, 30.672, 81.211



Tritanopia
37, 49.969, 28.098

Trichromacy



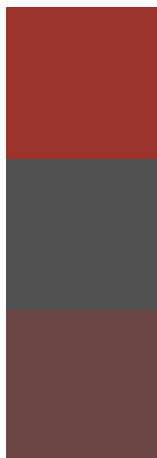
Original Color
37, 51.458, 32.808

Protanomaly
36, 25.972, 51.219

Deuteranomaly
36, 34.966, 55.151

Tritanomaly
37, 50.684, 29.980

Monochromacy



Original Color
37, 51.458, 32.808

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 17.895, 26.216

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 51.458, 32.808 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(156, 51, 45)` looks like.

```
.text, #text, p{  
    color:rgb(156, 51, 45)  
}
```

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(156, 51, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 51, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 51.458, 32.808 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(156, 51, 45) }
```

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

```
.border{ border-color:rgb(156, 51, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 51, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 51, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 51, 45);  
box-shadow:4px 4px 4px 4px rgb(156, 51,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 51.458, 32.808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 51, 45) }
```

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

```
.background{ background-color: rgb(156, 51,  
45) }
```

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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