

Converting Colors

CIELCh(37, 27.130, 8.394)

Have a look what the booklet for
CIELCh(37, 27.130, 8.394) contains.

CIELCh(37, 27.499, 7.838)	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, 27.499, 7.838)

Conversions

Conversions Part 1

Format	Color
Hex	814552
RGB	129, 69, 82
RGB Percent	51%, 27%, 32%
CMY	0.4940, 0.7293, 0.6783
CMYK	0.00, 0.47, 0.36, 0.49
HSL	347°, 30%, 39%
HSV	347°, 47%, 51%
XYZ	12.7108, 9.5379, 9.1583
YIQ	88.4220, 31.5870, 16.7630

Conversions

Conversions Part 2

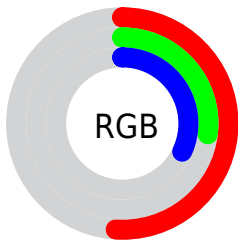
Format	Color
R_{YB}	129, 69, 82
Decimal	8471890
CIE Lab	37.00, 27.24, 3.75
CIE LCh	37, 27.499, 7.838
Yxy	9.5379, 0.4047, 0.3037
Android (android.graphics.Color)	4286661970 (0xFF814552)
YUV	88.4220, -3.1660, 35.5869
Hunter-Lab	30.8835, 19.4192, 4.0363

Details

The CIELCh color **37, 27.499, 7.838** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **50, 22.912, 177.536**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 27.393, 8.520**, and **17, 27.599, 6.937** is the 20% darker color. If you saturate the color by 10%, you get **34, 33.605, 9.958**, and if you desaturate by 10%, it is **40, 21.300, 6.128**.

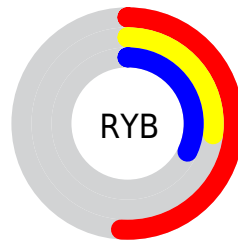
Distribution



Red (51%)

Green (27%)

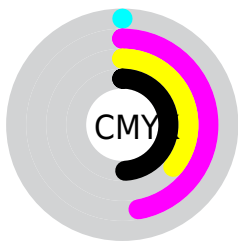
Blue (32%)



Red (51%)

Yellow (27%)

Blue (32%)

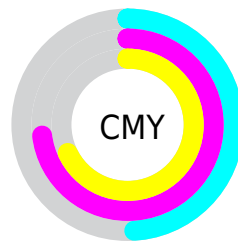


Cyan (0%)

Magenta (47%)

Yellow (36%)

Black (49%)



Cyan (49%)


Magenta (73%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 27.499, 7.838 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, 27.499, 7.838 by changing the saturation by 10% instead.

 37, 27.499, 7.838  37, 27.499, 7.838

 100, 27.499, 7.838  27, 27.499, 7.838

 57, 27.499, 7.838  17, 27.499, 7.838

 67, 27.499, 7.838  7, 27.499, 7.838


 77, 27.499, 7.838  0, 27.499, 7.838

 87, 27.499, 7.838

 97, 27.499, 7.838

 37, 27.499, 7.838  37, 27.499, 7.838

 34, 33.605, 9.958  40, 21.300, 6.128

 31, 39.408, 12.608  44, 15.179, 4.718

■ 29, 44.677, 15.934

■ 48, 9.244, 3.529

■ 27, 49.248, 20.042

■ 51, 3.556, 2.467

■ 26, 53.220, 24.777

■ 55, 1.860, 181.904

■ 26, 54.676, 26.321

■ 59, 7.001, 181.003

■ 63, 11.876,
180.311

■ 67, 16.504,
179.702

■ 71, 20.904,
179.156

Harmonies

Complementary

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



37, 27.499, 7.838



50, 22.912, 177.536

Rectangle

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



37, 27.499, 7.838



37, 27.499, 57.838



37, 27.499, 187.838



37, 27.499, 237.838

Sweetspot

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



37, 27.497, 7.841



62, 9.696, 3.292



37, 40.280, 320.223



31, 6.692, 3.491



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



37, 27.497, 7.841



44, 41.391, 10.151



41, 23.216, 47.537



25, 3.072, 2.741



26, 54.180, 26.247



0, 0.000, 0.000

Inverse Universe

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



37, 27.497, 7.841



44, 41.391, 10.151



45, 17.242, 234.493



25, 3.072, 2.741



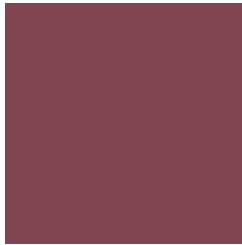
26, 54.180, 26.247



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 37, 27.499, 7.838 looks on a white background.

Color Contrast Check

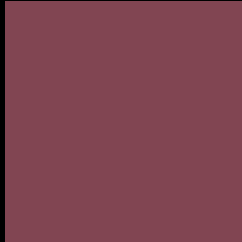
Large Text (above 18pt) WCAG AA ✓ Pass

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, 27.499, 7.838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

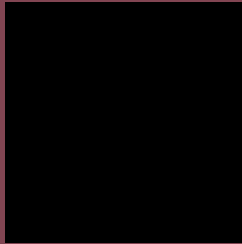
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 27.499, 7.838

Background



This preview shows how black text looks on a background with the CIELCh color 37, 27.499, 7.838.



This preview shows how white text looks on a background with the CIELCh color 37, 27.499, 7.838.

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, 27.499, 7.838

Protanopia

37, 3.125, 298.338

Deuteranopia

37, 7.406, 44.641



Tritanopia
37, 26.599, 17.506

Trichromacy



Original Color
37, 27.499, 7.838

Protanomaly
37, 11.095, 354.825

Deuteranomaly
37, 13.963, 19.034

Tritanomaly
37, 26.487, 13.583

Monochromacy



Original Color
37, 27.499, 7.838

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 10.077, 3.230

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 27.499, 7.838 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(129, 69, 82)` looks like.

```
.text, #text, p{  
    color:rgb(129, 69, 82)  
}
```

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(129, 69, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 69, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 27.499, 7.838 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(129, 69, 82) }
```

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

```
.border{ border-color:rgb(129, 69, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 69, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 69, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 69, 82);  
box-shadow:4px 4px 4px 4px rgb(129, 69,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 27.499, 7.838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 69, 82) }
```

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

```
.background{ background-color: rgb(129, 69,  
82) }
```

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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