

Converting Colors

CIELCh(37, 40.982, 33.732)

Have a look what the booklet for
CIELCh(37, 40.982, 33.732) contains.

CIELCh(37, 41.088, 34.275)	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, 41.088, 34.275)

Conversions

Conversions Part 1

Format	Color
Hex	903E34
RGB	144, 62, 52
RGB Percent	56%, 24%, 20%
CMY	0.4370, 0.7583, 0.7974
CMYK	0.00, 0.57, 0.64, 0.44
HSL	7°, 47%, 38%
HSV	7°, 64%, 56%
XYZ	13.7381, 9.5379, 4.3250
YIQ	85.3780, 52.0820, 14.2740

Conversions

Conversions Part 2

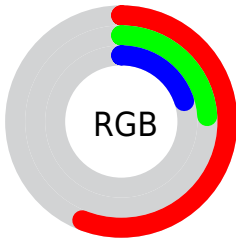
Format	Color
RYB	144, 63, 52
Decimal	9453108
CIELab	37.00, 33.95, 23.14
CIELCh	37, 41.088, 34.275
Yxy	9.5379, 0.4977, 0.3456
Android (android.graphics.Color)	4287643188 (0xFF903E34)
YUV	85.3780, -16.4554, 51.4115
Hunter-Lab	30.8835, 25.3568, 13.3153

Details

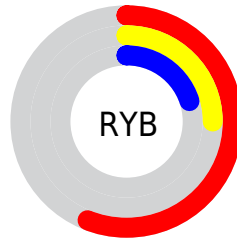
The CIELCh color **37, 41.088, 34.275** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **51, 24.825, 210.803**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 41.110, 33.908**, and **17, 40.841, 34.248** is the 20% darker color. If you saturate the color by 10%, you get **34, 48.728, 36.120**, and if you desaturate by 10%, it is **40, 33.580, 32.788**.

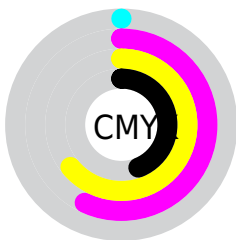
Distribution



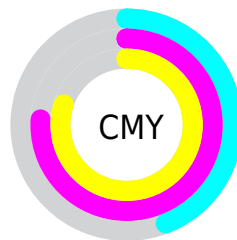
- Red (56%)
- Green (24%)
- Blue (20%)



- Red (56%)
- Yellow (25%)
- Blue (20%)



- Cyan (0%)
- Magenta (57%)
- Yellow (64%)
- Black (44%)



- Cyan (44%)
- Magenta (76%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 41.088, 34.275 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, 41.088, 34.275 by changing the saturation by 10% instead.

■ 37, 41.088, 34.275

■ 37, 41.088, 34.275

■ 100, 41.088,
34.275

■ 27, 41.088, 34.275

■ 57, 41.088, 34.275

■ 17, 41.088, 34.275

■ 67, 41.088, 34.275

■ 7, 41.088, 34.275

■ 77, 41.088, 34.275

■ 0, 41.088, 34.275

■ 87, 41.088, 34.275

■ 97, 41.088, 34.275

■ 37, 41.088, 34.275

■ 37, 41.088, 34.275

■ 34, 48.728, 36.120

■ 40, 33.580, 32.788

■ 32, 56.158, 38.186

■ 43, 26.393, 31.645

■ 31, 62.630, 40.025

■ 47, 19.623, 30.799

■ 30, 65.852, 41.079

■ 50, 13.311, 30.189

■ 54, 7.461, 29.752

■ 58, 2.054, 29.331

■ 62, 2.943, 209.533

■ 66, 7.569, 209.367

■ 70, 11.864,
209.333

Harmonies

Complementary

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



37, 41.088, 34.275



51, 24.825, 210.803

Rectangle

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



37, 41.088, 34.275



37, 41.088, 84.275



37, 41.088, 214.275



37, 41.088, 264.275

Sweetspot

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



37, 41.086, 34.278



67, 12.776, 29.969



38, 56.211, 330.839



34, 8.955, 30.088



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



37, 41.086, 34.278



44, 63.201, 37.056



48, 36.949, 76.893



28, 2.935, 29.574



28, 62.620, 40.846



1, 1.916, 29.460

Inverse Universe

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



51, 24.825, 210.803



64, 33.184, 212.234



37, 34.802, 278.517



29, 2.771, 209.436



46, 27.732, 215.350



1, 1.916, 209.479

Previews

White Background



This preview shows how the CIELCh color 37, 41.088, 34.275 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, 41.088, 34.275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

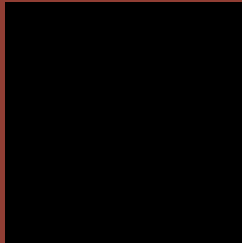
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 41.088, 34.275

Background



This preview shows how black text looks on a background with the CIELCh color 37, 41.088, 34.275.

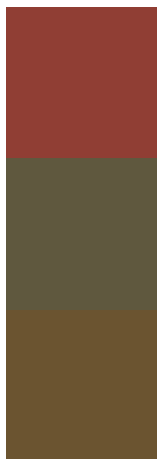


This preview shows how white text looks on a background with the CIELCh color 37, 41.088, 34.275.

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, 41.088, 34.275

Protanopia

37, 16.218, 95.844

Deuteranopia

37, 24.955, 79.329



Tritanopia
37, 39.119, 23.282

Trichromacy



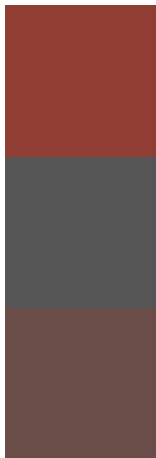
Original Color
37, 41.088, 34.275

Protanomaly
36, 21.460, 55.622

Deuteranomaly
37, 28.299, 56.556

Tritanomaly
37, 39.487, 27.319

Monochromacy



Original Color
37, 41.088, 34.275

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 13.990, 29.013

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 41.088, 34.275 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(144, 62, 52)` looks like.

```
.text, #text, p{  
    color:rgb(144, 62, 52)  
}
```

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(144, 62, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 62, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 41.088, 34.275 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(144, 62, 52) }
```

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

```
.border{ border-color:rgb(144, 62, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 62, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 62, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 62, 52);  
box-shadow:4px 4px 4px 4px rgb(144, 62,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 41.088, 34.275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 62, 52) }
```

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

```
.background{ background-color: rgb(144, 62,  
52) }
```

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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