

Converting Colors

CIELCh(36, 55.450, 36.934)

Have a look what the booklet for
CIELCh(36, 55.450, 36.934) contains.

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Color

CIELCh(36, 55.753, 37.098)

Conversions

Conversions Part 1

Format	Color
Hex	9B2E21
RGB	155, 46, 33
RGB Percent	61%, 18%, 13%
CMY	0.3927, 0.8201, 0.8710
CMYK	0.00, 0.70, 0.79, 0.39
HSL	6°, 65%, 37%
HSV	6°, 79%, 61%
XYZ	14.7360, 9.0082, 2.3935
YIQ	77.1090, 69.1370, 19.0650

Conversions

Conversions Part 2

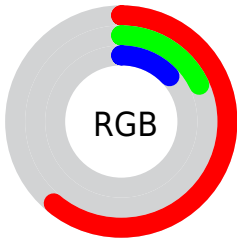
Format	Color
R_{YB}	155, 48, 33
Decimal	10169889
CIE Lab	36.00, 44.47, 33.63
CIE LCh	36, 55.753, 37.098
Yxy	9.0082, 0.5638, 0.3446
Android (android.graphics.Color)	4288359969 (0xFF9B2E21)
YUV	77.1090, -21.7457, 68.3104
Hunter-Lab	30.0136, 35.1156, 16.2812

Details

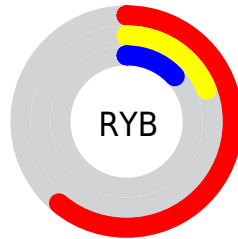
The CIELCh color **36, 55.753, 37.098** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **54, 29.099, 211.986**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 55.966, 37.432**, and **18, 47.902, 35.127** is the 20% darker color. If you saturate the color by 10%, you get **34, 63.255, 39.174**, and if you desaturate by 10%, it is **39, 47.675, 35.075**.

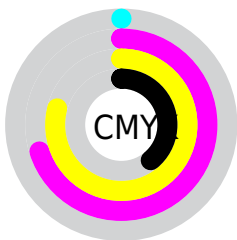
Distribution



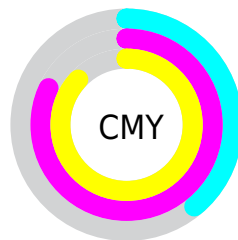
- Red (61%)
- Green (18%)
- Blue (13%)



- Red (61%)
- Yellow (19%)
- Blue (13%)



- Cyan (0%)
- Magenta (70%)
- Yellow (79%)
- Black (39%)



- Cyan (39%)
- Magenta (82%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 55.753, 37.098 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 36, 55.753, 37.098 by changing the saturation by 10% instead.

■ 36, 55.753, 37.098

■ 36, 55.753, 37.098

■ 100, 55.753,
37.098

■ 26, 55.753, 37.098

■ 56, 55.753, 37.098

■ 16, 55.753, 37.098

■ 66, 55.753, 37.098

■ 6, 55.753, 37.098

■ 76, 55.753, 37.098

■ 0, 55.753, 37.098

■ 86, 55.753, 37.098

■ 96, 55.753, 37.098

■ 36, 55.753, 37.098

■ 36, 55.753, 37.098

■ 34, 63.255, 39.174

■ 39, 47.675, 35.075

33, 69.392, 40.973

41, 39.579, 33.368

33, 70.091, 41.239

45, 31.735, 32.028

48, 24.292, 31.020

52, 17.322, 30.284

56, 10.849, 29.757

60, 4.863, 29.362

64, 0.665, 209.932

69, 5.775, 209.201

Harmonies

Complementary

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



36, 55.753, 37.098



54, 29.099, 211.986

Rectangle

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



36, 55.753, 37.098



36, 55.753, 87.098



36, 55.753, 217.098



36, 55.753, 267.098

Sweetspot

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



36, 55.751, 37.101



69, 17.605, 30.036



38, 68.228, 331.596



35, 12.356, 30.226



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



36, 55.751, 37.101



43, 82.798, 40.412



49, 48.089, 74.441



30, 3.114, 29.379



29, 64.626, 40.952



1, 3.258, 29.072

Inverse Universe

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



54, 29.099, 211.986



68, 37.032, 214.701



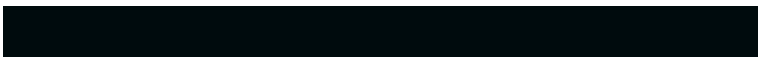
35, 45.934, 283.752



32, 2.939, 209.219



48, 28.520, 215.022



3, 3.224, 210.394

Previews

White Background



This preview shows how the CIELCh color 36, 55.753, 37.098 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 36, 55.753, 37.098 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 36, 55.753, 37.098

Background



This preview shows how black text looks on a background with the CIELCh color 36, 55.753, 37.098.

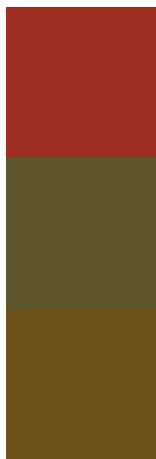


This preview shows how white text looks on a background with the CIELCh color 36, 55.753, 37.098.

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

36, 55.753, 37.098

Protanopia

36, 25.736, 95.979

Deuteranopia

36, 36.487, 81.942



Tritanopia
36, 52.603, 29.306

Trichromacy



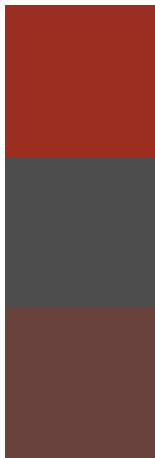
Original Color
36, 55.753, 37.098

Protanomaly
35, 31.288, 58.198

Deuteranomaly
35, 40.306, 58.395

Tritanomaly
36, 53.658, 32.570

Monochromacy



Original Color
36, 55.753, 37.098

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 19.110, 31.751

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 55.753, 37.098 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(155, 46, 33)` looks like.

```
.text, #text, p{  
    color:rgb(155, 46, 33)  
}
```

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(155, 46, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 46, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 55.753, 37.098 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(155, 46, 33) }
```

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

```
.border{ border-color:rgb(155, 46, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 46, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 46, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 46, 33);  
box-shadow:4px 4px 4px 4px rgb(155, 46,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 55.753, 37.098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 46, 33) }
```

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

```
.background{ background-color: rgb(155, 46,  
33) }
```

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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