

Converting Colors

CIELCh(37, 51.485, 26.405)

Have a look what the booklet for
CIELCh(37, 51.485, 26.405) contains.

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Color

CIELCh(37, 51.450, 26.436)

Conversions

Conversions Part 1

Format	Color
Hex	9E2F35
RGB	158, 47, 53
RGB Percent	62%, 18%, 21%
CMY	0.3808, 0.8161, 0.7925
CMYK	0.00, 0.70, 0.66, 0.38
HSL	357°, 54%, 40%
HSV	357°, 70%, 62%
XYZ	15.7305, 9.5379, 4.3696
YIQ	80.8730, 64.2300, 25.3980

Conversions

Conversions Part 2

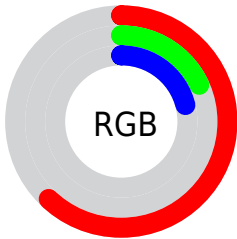
Format	Color
R_{YB}	158, 47, 53
Decimal	10366773
CIE Lab	37.00, 46.07, 22.91
CIE LCh	37, 51.450, 26.436
Yxy	9.5379, 0.5308, 0.3218
Android (android.graphics.Color)	4288556853 (0xFF9E2F35)
YUV	80.8730, -13.7414, 67.6404
Hunter-Lab	30.8835, 36.8726, 13.2297

Details

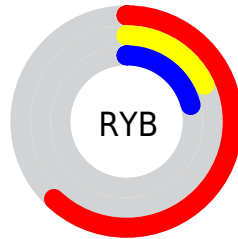
The CIELCh color **37, 51.450, 26.436** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **59, 32.295, 190.453**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 51.505, 26.066**, and **19, 47.653, 31.642** is the 20% darker color. If you saturate the color by 10%, you get **35, 58.811, 30.074**, and if you desaturate by 10%, it is **40, 43.666, 23.436**.

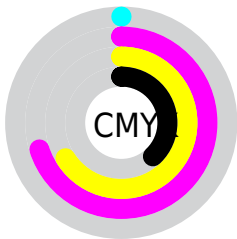
Distribution



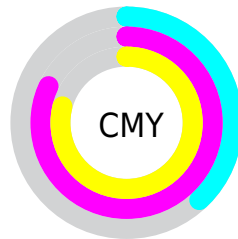
- Red (62%)
- Green (18%)
- Blue (21%)



- Red (62%)
- Yellow (18%)
- Blue (21%)



- Cyan (0%)
- Magenta (70%)
- Yellow (66%)
- Black (38%)



- Cyan (38%)
- Magenta (82%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 51.450, 26.436 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, 51.450, 26.436 by changing the saturation by 10% instead.

■ 37, 51.450, 26.436

■ 37, 51.450, 26.436

■ 100, 51.450,
26.436

■ 27, 51.450, 26.436

■ 57, 51.450, 26.436

■ 17, 51.450, 26.436

■ 67, 51.450, 26.436

■ 7, 51.450, 26.436

■ 77, 51.450, 26.436

■ 0, 51.450, 26.436

■ 87, 51.450, 26.436

■ 97, 51.450, 26.436

■ 37, 51.450, 26.436

■ 37, 51.450, 26.436

■ 35, 58.811, 30.074

■ 40, 43.666, 23.436

33, 65.405, 34.101

43, 35.740, 21.053

32, 70.657, 37.440

47, 27.910, 19.186

51, 20.355, 17.722

56, 13.188, 16.559

60, 6.461, 15.603

65, 0.181, 12.399

70, 5.670, 194.397

74, 11.124,
193.847

Harmonies

Complementary

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



37, 51.450, 26.436



59, 32.295, 190.453

Rectangle

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



37, 51.450, 26.436



37, 51.450, 76.436



37, 51.450, 206.436



37, 51.450, 256.436

Sweetspot

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



37, 51.448, 26.439



70, 16.877, 16.675



40, 68.957, 325.592



35, 11.496, 16.952



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, 51.448, 26.439



44, 75.492, 32.185



47, 43.156, 60.446



31, 3.539, 15.510



29, 65.263, 36.972



1, 4.490, 15.134

Inverse Universe

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



37, 51.448, 26.439



44, 75.492, 32.185



44, 32.109, 263.106



31, 3.539, 15.510



29, 65.263, 36.972



1, 4.490, 15.134

Previews

White Background



This preview shows how the CIELCh color 37, 51.450, 26.436 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, 51.450, 26.436 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, 51.450, 26.436

Background



This preview shows how black text looks on a background with the CIELCh color 37, 51.450, 26.436.

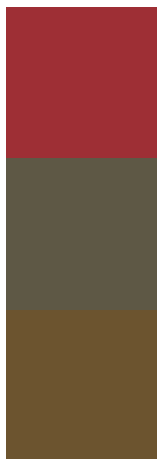


This preview shows how white text looks on a background with the CIELCh color 37, 51.450, 26.436.

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, 51.450, 26.436

Protanopia

37, 11.961, 94.931

Deuteranopia

37, 25.739, 78.812



Tritanopia
37, 52.123, 28.296

Trichromacy



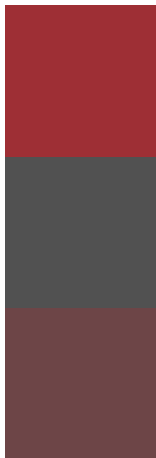
Original Color
37, 51.450, 26.436

Protanomaly
36, 22.288, 38.238

Deuteranomaly
36, 31.516, 47.619

Tritanomaly
37, 51.892, 27.683

Monochromacy



Original Color
37, 51.450, 26.436

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 18.503, 18.745

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 51.450, 26.436 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(158, 47, 53)` looks like.

```
.text, #text, p{  
    color:rgb(158, 47, 53)  
}
```

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(158, 47, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 47, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 51.450, 26.436 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(158, 47, 53) }
```

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

```
.border{ border-color:rgb(158, 47, 53) }
```

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

Here you see how a box with a 4 pixel rgb(158, 47, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 47, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 47, 53);  
box-shadow:4px 4px 4px 4px rgb(158, 47,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 51.450, 26.436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 47, 53) }
```

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

```
.background{ background-color: rgb(158, 47,  
53) }
```

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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